NOTTASTE

Nur bei Gefahr betätigen

GEZE SecuLogic RWS
Escape route system

(EN) System documentation

GEZE

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Foreword

Safety comes first

In public buildings, escape routes and respective control systems are a must. They are an inherent part of building planning and pertain to fire and personal protection.

What must a high-quality escape route system do to save lives?
It must be absolutely reliable. But beyond this functionality, which is regulated by stringent legal restraints, the quality of an escape route system is also demonstrated in many further aspects.

With the GEZE SecuLogic escape route system we provide answers to the most important requirements a modern system solution has to fulfill.

Reliable, certified safety
GEZE SecuLogic escape route systems meet the requirements of the EltVTR guideline, the "Guideline governing electrical locking systems on doors in escape routes" issued by the Deutsche Institut für Bautechnik (German Institute for Building Technology).

Cutting-edge technology for more functions
Modular bus technology, wireless parameter setting using infrared technology, simple and fast installation and a comprehensive range of services account for the quality and safety of the GEZE SecuLogic escape route system.

Systems grow – and the GEZE SecuLogic escape route system does too
Components such as fire or hazard alarm systems, access control, emergency exit openers or motor locks can be integrated in the GEZE SecuLogic escape route system at any time.
This is guaranteed by the terminal box KL 220, the control panel TE 220/TTE 220 and the control software VAT 220 SN (virtual display and operating panel).

A question of design too
The flush-mounted version of the door control unit TZ 320 can be integrated in the 55-size switch ranges of brand manufacturers such as Berker, Feller, Gira, Jung and Merten.

If things really do get serious
All elements must be easily recognisable and operable with a single movement. GEZE SecuLogic escape route system has put this into practice:
A large-surface emergency push button, illuminated emergency sign and clear acoustic and optical signals are always reliable helpers in an emergency. The size of the emergency push button makes its operation "barrier-free", i.e. it is also easy for people with restricted mobility, children and older people to use in an emergency.

Because as we already mentioned: Safety comes first – and goes hand in hand with design and convenience at GEZE.
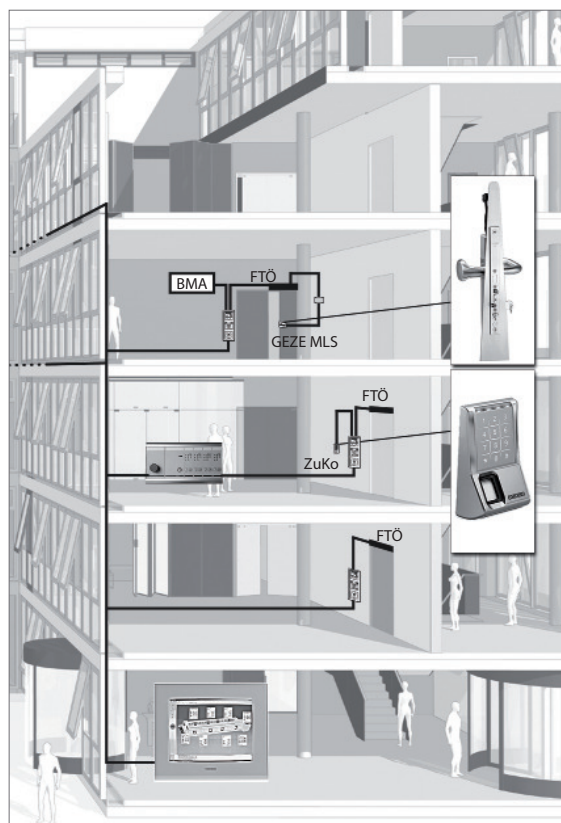
Terms and definitions

▸ **Aborting the short-term release:**
When this is aborted, the door is locked prematurely when it is closed and the short-term release has not expired. This prevents the door being accessible for unauthorised people after someone has passed through it.
The abortion setting can be deactivated via the service menu. In this case, the door remains unlocked for the duration of the time set. The release time can be ended prematurely by actuating the key switch again.

▸ **Direct release (in accordance with EltVTR)**
Safety-related interruption of power supply to the electrical locking system by means of an opener contact when the emergency push button is actuated.

▸ **Unlocking (in accordance with EltVTR):**
Non-safety-related interruption of the power supply to the electrical locking system e.g. through a key switch.

▸ **Indirect release (in accordance with EltVTR):**
Safety-related interruption of the power supply to the electrical locking system if a further switching process is triggered by the opener contact of the emergency push button, with this new process interrupting the power supply to the electrical locking system.

▸ **After-triggering the short-term release:**
If a new short-term release is triggered during the release time, the release time begins again.
The after-triggering setting can be deactivated via the service menu. If a new short-term release is triggered during the release time by means of the internal key switch or a programmable input, the system locks again.

▸ **Emergency unlocking (in accordance with EltVTR):**
Non safety-related interruption of the power supply to the electrical locking system e.g. through a hazard alarm system (GMA) or similar automatic triggering device.

▸ **Pre-alarm:**
If the release time is exceeded during passage, an acoustic signal is sounded which informs the user that the time has been exceeded. If the door is closed during a pre-alarm, it is automatically locked and the pre-alarm is reset.

▸ **Door alarm:**
If the pre-alarm time is also exceeded, the so-called door alarm is triggered. This can be reset via the integrated key switch or all inputs "short-term release" as well as via the control panel TE220 or the visualisation VAT 220 SN. If the door is closed during a door alarm, the door will be locked and can only be unlocked again once the alarm has been reset (except if the emergency push button is pressed). A door alarm will also be given if the door is "broken open", in other words when the door is opened by force or without prior release.

Abbreviations

AP	Surface-mounted version
BLE 220	Flashlight
BMA	Fire alarm system
EMA	Burglar alarm system
FS	Latch lock
FTÖ	Emergency exit opener
FWS	Emergency exit route sign
GLT	Building management system
GMA	Hazard alarm system
IQ Lock C	Contact lock
IQ Lock EL	Motor lock
IQ Lock EM	Lever lock
IQ Lock M	Motor lock
KL 220	Terminal box
KZF	Short-term release
MA 500	Holding magnet
NC	Potential-free opener contact (normal closed)
NO	Potential-free closer contact (normal open)
NOT 320	Emergency push button
NT	Power supply
OK	Upper edge
RWA	Smoke and heat extraction system
SCT 221	Key switch, one-pole switch (closer)
SCT 222	Key switch with LED display, one-pole reversible switch (two closers)
SCT 320	Key switch, one-pole reversible switch (two closers)
SHB 220	Signal horn with flashlight
SLE 220	Signal light
SLH 220	Signal horn
TE 220	Control panel
TZ 320	Door control unit using bus technology
TZ 322	Door control unit using bus technology without emergency push button
TZ 323	Door control unit using bus technology, turned through 180°
... B	Door control unit with illuminated emergency exit route sign
... S	Door control unit with key switch (connection via ribbon cable)
... N	Door control unit with integrated power supply
... BSN	Door control unit with illuminated emergency exit route sign, key switch and integrated power supply
... BS	Door control unit with illuminated emergency exit route sign and key switch
... SN	Door control unit with key switch and integrated power supply
UK	Lower edge
UP	Flush-mounted version
USV	Uninterruptible power supply
VAT 220 SN	Visualisation software
ZSU	Timer
ZuKo	Access control

Example for the name of the door control unit:

Door control unit	with illuminated emergency exit route sign	with key switch		Description
TZ 320	B	S	=	TZ 320 BS

Cable specification

How to lay cables safely
Here are a few tips to help you lay the required cables safely and precisely:

▸ **Interference-free**
Do not lay the data cable parallel to high-voltage cables (electromagnetic interference)!

▸ **The right cable**

Shielded cable with twisted pairs of conductors.
Peripherals
- J-Y(ST)Y 2x2x0.6
- J-Y(ST)Y 4x2x0.6
Mains cable
- NYM-J 3x1.5
Bus cabling
- J-Y(ST)Y 2x2x0.8
- J-Y(ST)Y 4x2x0.8

▸ **Structure or networking**
Do not route the bus line in a star shape, but rather in series.

Safety and responsibility

The GEZE SecuLogic RWS was designed according to the latest technical standards and recognised safety-related regulations. Nevertheless, hazards can still occur during installation and application. For this reason, please note the following instructions:

▸ **Basic safety instructions**
– Start-up and maintenance may only be carried out by a qualified electrician or an expert trained by GEZE.
– Only genuine GEZE spare parts or accessories approved by GEZE may be used.
– Unauthorised modifications to the system exclude GEZE's liability for any resulting damage.
– Primary protective measures are to be carried out on side.
– Respective national standards must be heeded when laying cables.

▸ **Proper use**
The GEZE SecuLogic RWS system has been designed for the control and monitoring of electrically locked emergency exit routes. External products may only be used after consultation with GEZE.

▸ **Improper use**
The connection of products which have not been expressly approved for use by GEZE constitutes improper use.

System overview

Application	TZ 300	TZ 320 Standard	TZ 320 Komfort
Local operation			
Short-term release (KZF) (20 sec)	•		
Short-term release (KZF) (1 sec - infinity)		•	•
Abortion of KZF with door closed	•	•	•
After-triggering of KZF	•	•	•
Pre-alarm (60 sec)	•		
Pre-alarm (1 sec - 10 min)		•	•
Alarm 10 sec - 2 min / permanent alarm	- / •	• / •	• / •
Permanent unlocking	•	•	•
Release via emergency push button	•	•	•
Connection possibilities			
Emergency exit opener type 331	UP 2x AP 3x	UP 2x AP 3x	UP 3x AP 3x
Holding magnet MA 500	UP 1x AP 2x	UP 1x AP 2x	UP 2x AP 2x
Emergency unlocking for hazard alarm system	•	•	•
Indirect release		•	•
Central emergency push button via safety circuit		•	•
External key switch	•	•	•
External emergency push button		•	•
Terminal T 320 (bi-directional emergency exit route)		•	•
Access control (short-term release)	•	•	•
Latch (short-term release)	•	•	•
Timer (unlocking) external	•	•	•
Timer (unlocking) internal		•	•
Burglar alarm system (locking has priority)			•
Programmable inputs	0	3	7
Programmable outputs	0	2	8
Flashlight/siren/alarm message	•	•*	•
Motor lock		•*	•
Lever lock		•*	•
Swing door drive		•**	•
Signal light control		•**	•
Additional door opener access control		•*	•
Output of different system states		•*	•
Control panel TE 220/TTE 220		•	•
Visualisation software VAT 220 SN		•	•
Other			
Setting times / parameters using the key switch		• / –	• / –
Infrared interface for diagnosis, readout of the alarm memory, setting parameters via Service terminal ST 220		•	•
Alarm memory		•	•
Integrated air lock control		•	•
Network function for BMA, ZSU, EMA		•	•

*   Function can be realised via 2 outputs for which parameters can be freely set. There are 2 outputs available on the TZ 320.
    If more outputs are required, the TZ 320 Komfort with terminal box must be used.
** 2 outputs are required for this function.

GEZE SecuLogic System TZ 300 SN

▸ **System structure**
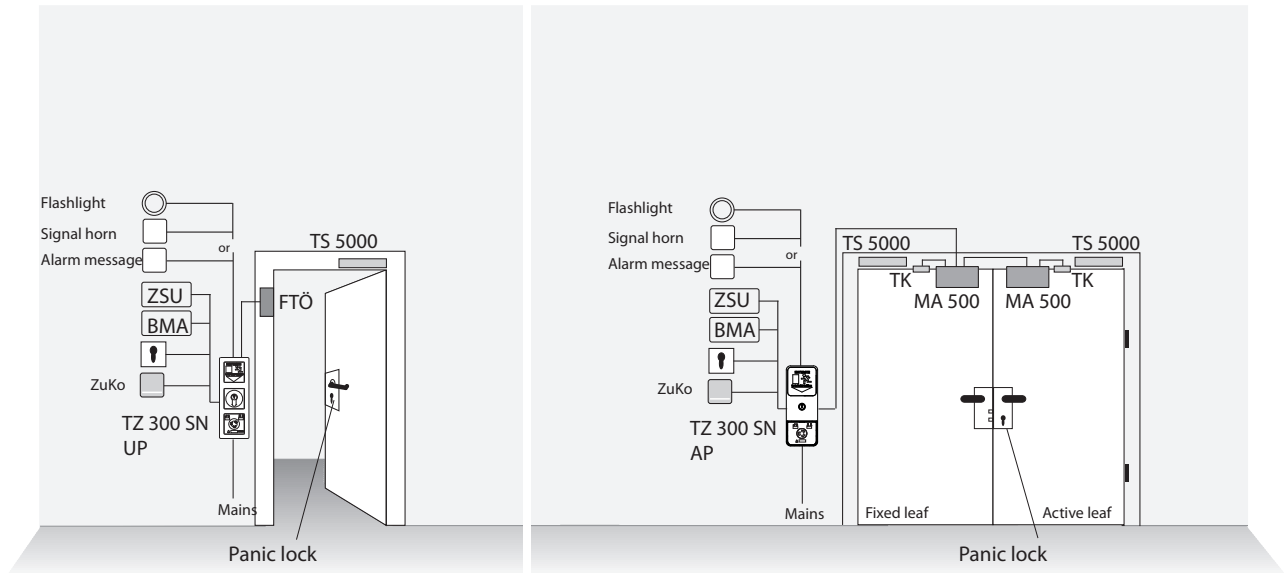
System structure SecuLogic System TZ 300 SN

▸ **Functional description**

The standard functions for securing a single emergency exit door are covered by the possibility of short-term release and permanent unlocking via the local operating elements as well as release via the emergency push button.

In addition, there are inputs available for a hazard alarm system (e.g. BMA), access control (ZuKo) and a timer (ZSU). External alarm indicators such as flashlights or sirens can be connected via a potential-free contact.

▸ **System components**

– TZ 300 SN, AP/UP
– Emergency exit opener with latch lock or holding magnet with installation set and door contact
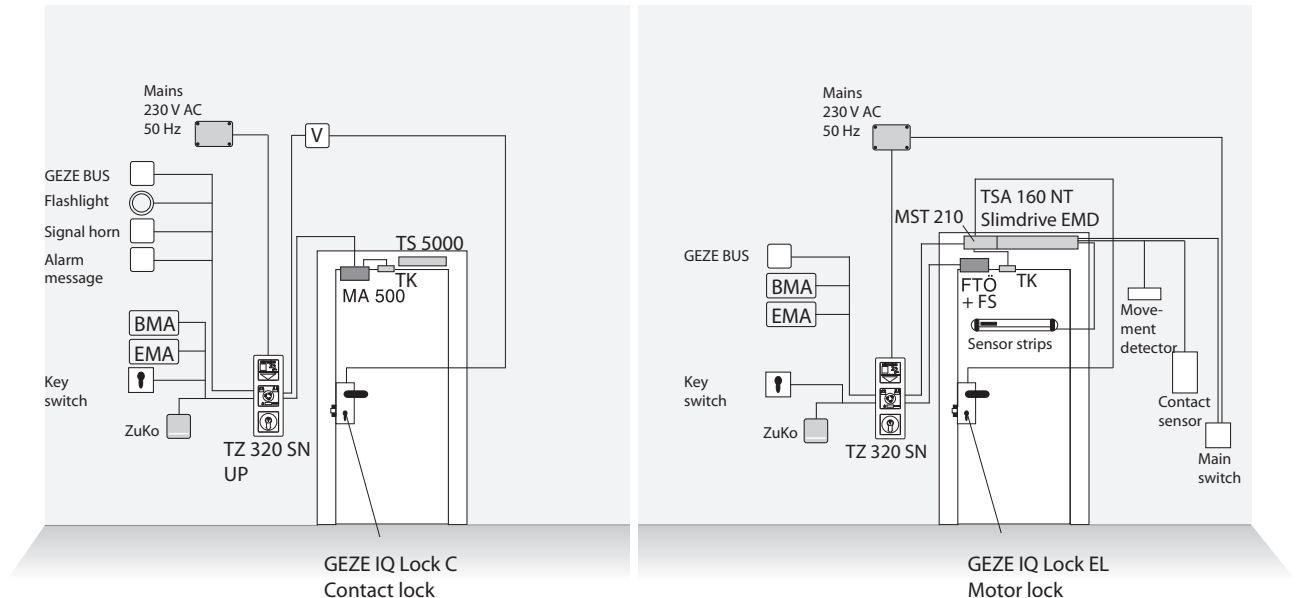
   Options

   • Flashlight BLE 220, signal horn SLH 220
   • External key switches SCT 220, SCT 221, SCT 222, SCT 320
   • Uninterruptible power supply (USV)

Note

For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE SecuLogic System TZ 320 Standard

▶ **System structure**

System structure SecuLogic System TZ 320

▶ **Functional description**

The GEZE door control unit TZ 320 secures and monitors the opening and closing processes of emergency exit doors on escape routes. The modes "permanent unlocking", "short-term release" and "locking for alarm reset" are available. An integrated LED indicates the door modes "locked/unlocked", "open/closed" and alarms. A large number of additional functions can be implemented using 3 programmable inputs (for the connection of e.g. access control systems, timer, fire and burglar alarm system) and 2 programmable outputs (for the connection of e.g. swing door drive, motor lock, additional door openers, optical/ acoustic alarm messages or relaying of system states). The integrated weekly timer and the air lock function allow flexible use in the system. The GEZE door control unit TZ 320 using bus technology has been tested in accordance with the EltVTR guideline (see p. 62 ff).

▶ **System components**
  – Door control unit TZ 320 SN AP/UP
  – Emergency exit opener with latch lock or holding magnet with installation set and door contact
  Options
  • Flashlight BLE 220, signal horn SLH 220
  • External key switches SCT 220, SCT 221, SCT 222, SCT 320
  • External emergency push button NOT 320
  • Uninterruptible power supply (USV)
  • Terminal T 320
  • Service terminal ST 220
  • GEZE IQ Lock EM, EL, M and C
  • Control panel TE 220/TTE 220
  • Visualisation software VAT 220 SN
  • OPC interface OPC 220

Note
For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE SecuLogic System TZ 320 Komfort

▸ **System structure**
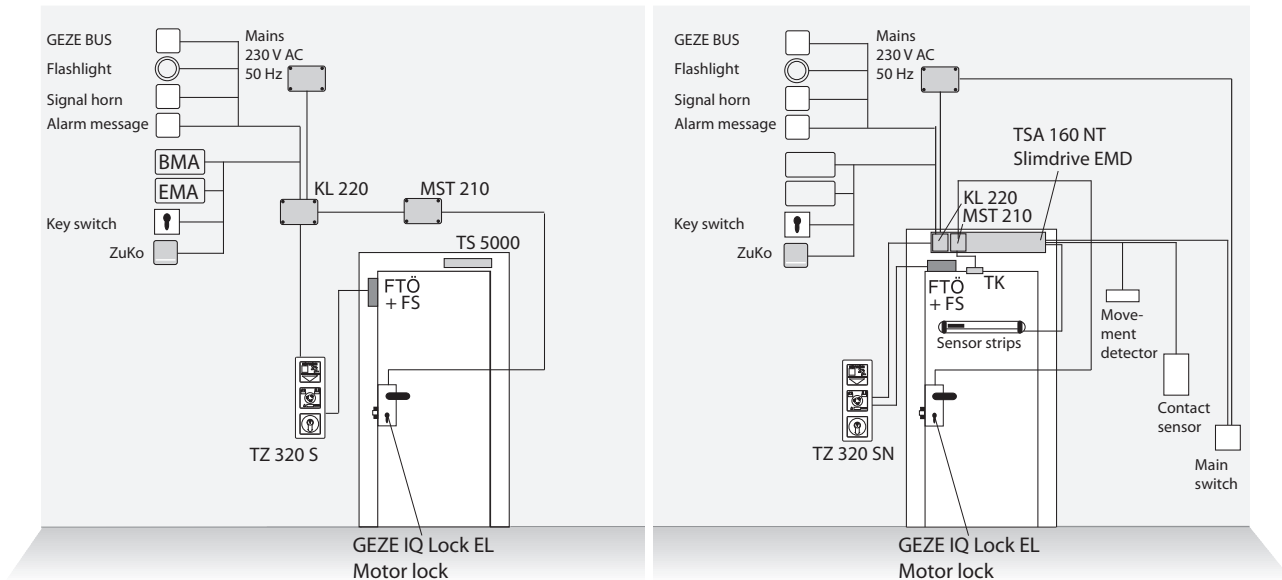
System structure SecuLogic System TZ 320 + KL 220

▸ **Functional description**

The door control unit TZ 320 can be used even more intensively in connection with the terminal box KL 220.
The terminal box provides further inputs and outputs, so that even more devices can be connected to extend the area of application, e.g. by a combination of swing door drive with BMA, EMA and relaying messages.
The respective terminal box is connected to a system-internal bus. This means a separate, higher-capacity power supply is available, as well as additional inputs and outputs for which parameters can be set, resulting in even more application possibilities.

▸ **System components**
   – Door control unit TZ 320 S AP/UP
   – Terminal box KL 220 AP/UP
   – Emergency exit opener with latch lock or holding magnet with installation set and door contact
   **Options**
      • Flashlight BLE 220, signal horn SLH 220
      • External key switches SCT 220, SCT 221, SCT 222, SCT 320
      • External emergency push button NOT 320
      • Uninterruptible power supply (USV)
      • Terminal T 320
      • Service terminal ST 220
      • GEZE IQ Lock EM, EL, M and C
      • Swing door drive TSA 160, Slimdrive EMD
      • Control panel TE 220/TTE 220
      • Visualisation software VAT 220 SN
      • OPC interface OPC 220
      • GEZE SecuLogic access control system

   Note
For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE SecuLogic System TZ 320, 1-box solution

▸ **System structure**
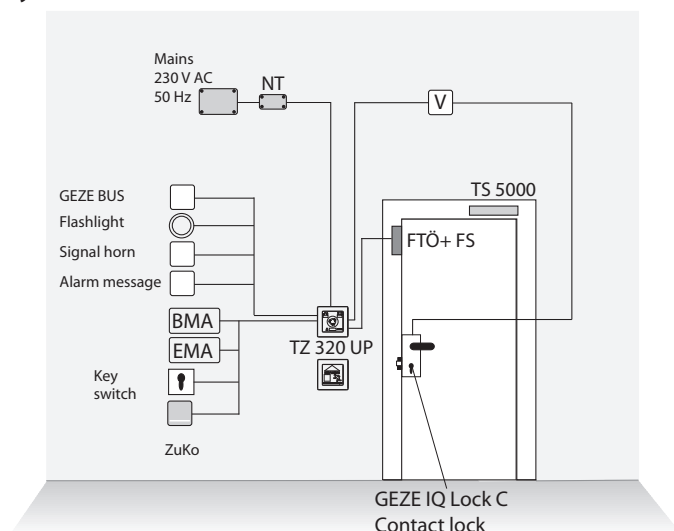
System structure SecuLogic System TZ 320

▸ **Functional description**
The full functionality of the emergency exit back-up can only be realised using a flush-mounted box. Control of the operating modes and acknowledgement of alarms is taken over by the key of the GEZE IQ Lock.
This variant is possible as standard with the door control unit TZ 320 or as "Komfort" with an additional terminal box KL 220.

▸ **System components**
– Door control unit TZ 320, UP
– GEZE IQ Lock EM, EL, C
– Emergency exit opener 331 with latch lock
   Options
   • Holding magnet MA 500
   • Signal horn SLH 220
   • GEZE SecuLogic access control system
   • Terminal 320
   • External emergency push button NOT 320
   • Flashlight BLE 220
   • Terminal T 320
   • Visualisation software VAT 220 SN
   • OPC interface OPC 220

Note
For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE SecuLogic Vernetzt

‣ **System structure**
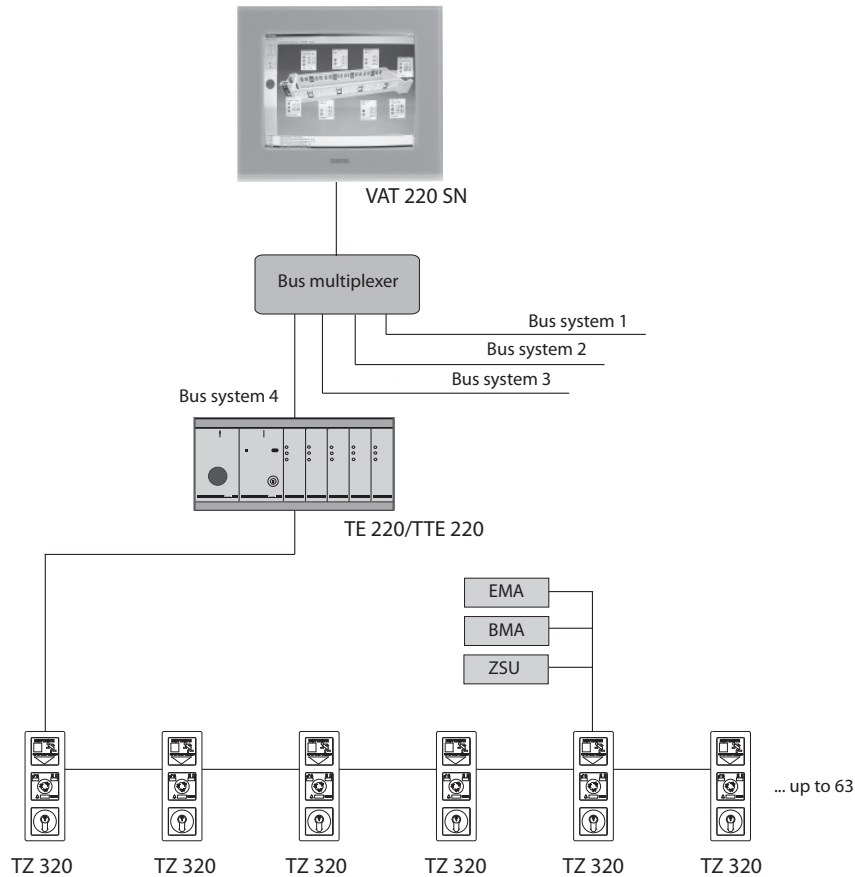
System structure SecuLogic Vernetzt

‣ **Functional description**

The system SecuLogic Vernetzt is used to secure emergency exit doors subject to central control and monitoring in large buildings, e.g. shopping centres, malls, public institutions. The individual control components (visualisation software, control panels and door control units) can be assigned anywhere in the individual bus systems. The maximum cable length for each bus system is 1000 m.

VAT 220

8 bus systems with a maximum of 63 door control units each can be displayed and operated using the visualisation software VAT 220 SN. The VAT 220 SN can work both as a central and as a parallel operating spot. There is no classic server-client relationship, because with VAT 220 SN all the doors in the system can be controlled centrally and without a loop via a server. It is possible to set up further lower-order operating spots with the aid of control panels TE 220/TTE 220.

TE 220/TTE 220

The control panel TE 220 wall panel and the control panel TTE 220 desk panel are used as control and display units for up to 20 individual door control units via a bus system (max. 5 TE 220 per bus system).

OPC

The software interface OPC is used in the escape route system so that data can be transmitted to higher-level building management systems. The OPC interface guarantees simple communication between devices from different manufacturers.

▸ **System components**
 – Door control unit TZ 320 SN AP/UP
 – Door control unit TZ 320 S AP/UP + terminal box KL 220 AP/UP
 – Emergency exit opener with latch lock or holding magnet with installation set and door contact
 – Visualisation software VAT 220 SN

   Options
 • Flashlight BLE 220, signal horn SLH 220
 • External key switches SCT 220, SCT 221, SCT 222, SCT 320
 • External emergency push button NOT 320
 • Uninterruptible power supply (USV)
 • Control panel TE 220/TTE 220
 • Terminal T 320
 • Service terminal ST 220
 • GEZE IQ Lock EM, EL, M
 • Swing door drive TSA 160, Slimdrive EMD
 • OPC interface OPC 220
 • GEZE SecuLogic access control system

Note
For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE special system for children's nurseries

▶ **System structure children's nursery solution**
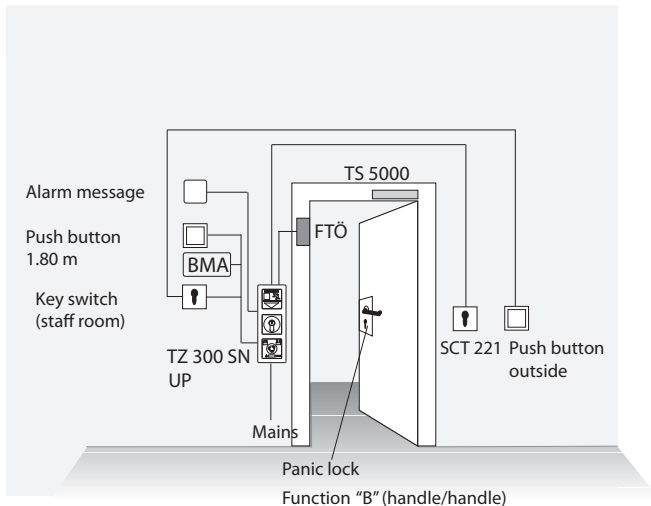
Special system for children's nurseries

▶ **Functional description of the children's nursery solution**
The door is permanently locked and secured by the door control unit TZ 300 SN.

Passage by nursery staff
The staff trigger a short-term release at the TZ 300 SN via the outer key switch and so can pass through the door using the key on the panic lock. The outer door handle is coupled in during the day via the switchover function "B" of the panic lock.
Arrival and collection times
The external push button can be activated or deactivated via the switch in the "staff room". This means that parents can trigger a short-term release when they are bringing or collecting their children, and open the door via the coupled-in door handle. Parents can leave the nursery again by opening the door using the push button mounted at a height of 1.80 m. This installation height of 1.80 m means that children cannot reach the button.
Emergencies
In an emergency, the door can always be passed through in the direction of emergency exit by pressing the emergency push button. Triggering of the emergency push button is indicated by both an optical and acoustic signal on the TZ 300. Optionally, the alarm can be relayed. This allows an external light or siren to be triggered.
Fire
A fire alarm system can be connected to the TZ 300 for immediate emergency unlocking in the event of a fire. This means the door control unit has already been unlocked when people escaping the fire arrive at the door.

▶ **System components**
– Door control unit TZ 300 SN
– Emergency exit opener with latch lock or holding magnet with installation set and door contact
– Release push button inside at a height of 1.80 m
– Release push button outside
– Circuit breaker
– External key switch SCT 221
– Panic lock, function "B" (on site)
   Options
   • Flashlight BLE 220, signal horn SLH 220
   • Uninterruptible power supply (USV)

Note
For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE special system for bi-directional emergency exit route

▸ **System structure bi-directional emergency exit route**

GEZE Bus
Signal horn
Alarm message
BMA
TOP LOCK
Key switch ZuKo
TS 5000
FTÖ
TZ 320 SN inside
T 320 outside
Mains
Panic lock

Special system for bi-directional emergency exit route

▸ **Functional description for bi-directional emergency exit route**
To secure a door with two directions of escape, the terminal T 320 is connected to the door control unit TZ 320 via an internal bus. This allows the door to be released safely from both sides via an emergency push button in the event of a hazard.
The door can be controlled via the terminal T 320 and via the door control unit TZ 320. This allows authorised passage to take place via the integrated key switch.
In addition, external triggering elements such as access controls or key switches can be connected to the TZ 320. The integrated bus function of the TZ 320 allows networking and thus circuit-entering to central operating spots such as the control panel TE 220, visualisation software VAT 220 or a higher-level building management system.

▸ **System components**
– Door control unit TZ 320 SN AP/UP
– Terminal T 320 AP/UP
– Emergency exit opener 331 with latch lock 807-10
   Options
   • Holding magnet MA 500
   • Access control
   • Signal horn SLH 220
   • Flashlight BLE 220
   • Signal light SLE 220
   • Key switches SCT 221, SCT 220, SCT 320
   • IQ Lock EL, EM, M, C
   • Swing door drive Slimdrive MED, TSA 160 NT
   • Control panel TE 220
   • Visualisation software VAT 220 SN
   • OPC interface OPC 220

Note
For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE special system for areas without local emergency push button

▸ **System structure**
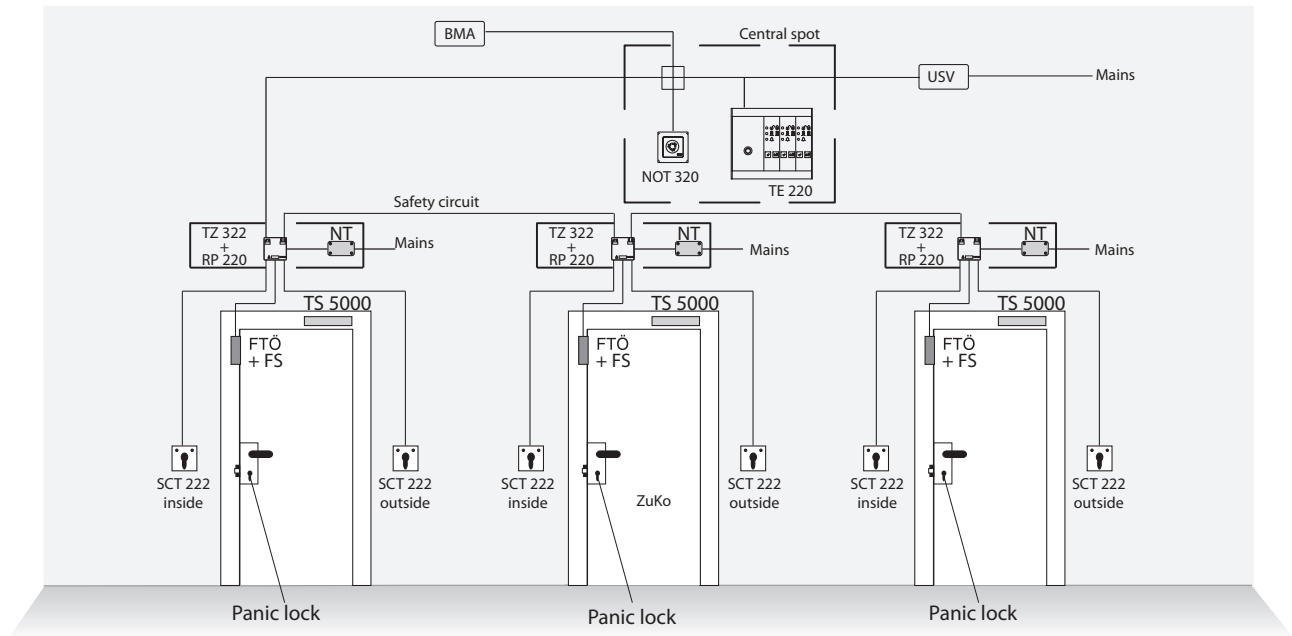
Special system for areas without local emergency push button

▸ **Functional description**

Securing emergency exit doors in areas with a local emergency push button in accordance with EltVTR (DIBT 5/98) section 2.6, para. 3.1.3 and building regulation list A
Part 1, e.g. psychiatric units, care areas for dementia patients, forensic areas.
The safety circuit is a separate power circuit to realise a safety-related (indirect) release of several door control units in connection with central emergency push buttons, BMA or similar. The safety circuit is used in particular when there is no local emergency push button on the door control unit. This must be approved by national top-level building authorities in individual cases.

▸ **System components**

– Door control unit TZ 322 SN AP/UP without emergency push button
– Key switch SCT 222 with LEDs
– Relay board RP 220
– Emergency push button NOT 320
– Emergency exit opener with latch lock or holding magnet with installation set and door contact
   Options
   • GEZE IQ Lock EL, EM, M and C
   • Flashlight BLE 220/signal horn SLH 220
   • Swing door drive TSA 160, Slimdrive EMD
   • Control panel TE 220/TTE 220
   • Terminal T 320
   • Service terminal ST 220
   • Visualisation software VAT 220 SN
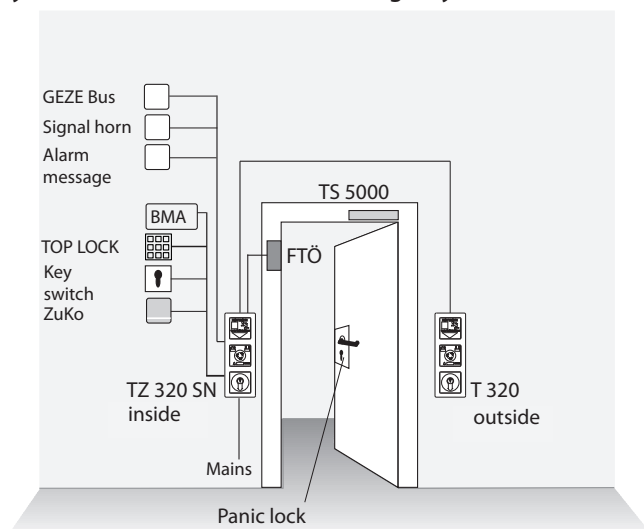   • Uninterruptible power supply (USV)

Note

For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE special system for air locks on emergency exit routes

▸ **System structure**
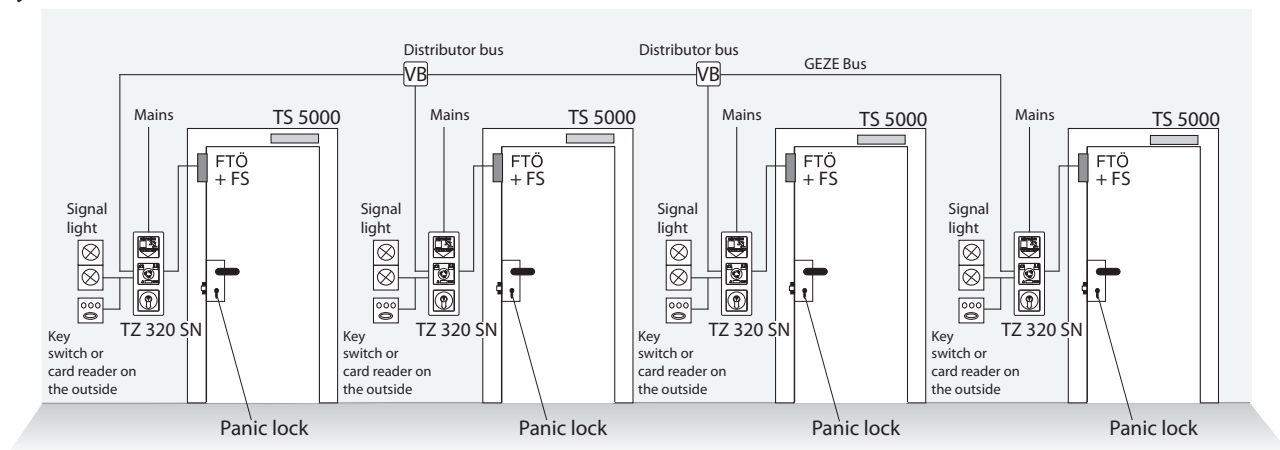
Special system for air locks on emergency exit routes

▸ **Functional description**

Realisation of air locks on emergency exit routes; e.g. operating theatre areas, laboratories and quarantine areas.

A maximum of 10 air lock groups with up to 10 door control units each (total of max. 63 door control systems/bus system) can be realised per bus system. The door control units in one group lock mutually. A door can be assigned to several groups at the same time. This assignment can be changed at any time, thus forming new air lock relationships. Signal light displays can be triggered via two programmable outputs on the TZ 320.

Active air lock:

Basically, all the doors in one air lock group for which parameters are set as an active air lock are locked and thus also closed. If one of these doors is unlocked short-term via respective control elements, it transmits a signal to all the other doors in the group at the same time and blocks the control elements of the other (still locked) doors and vice versa.

Passive air lock:

In contrast to the active air lock, all the doors in one air lock for which parameters are set as a passive air lock are not generally locked, but are closed. If one of these doors is opened, i.e. the door leaf moves, this transmits a signal to all the other doors and locks them and vice versa.

In the case of both air lock types, immediate passage is possible by actuating the emergency push button.

The air lock function can be switched on or off via the local key switch.

▸ **System components**

– Door control unit TZ 320 SN AP/UP
– Emergency exit opener with latch lock or holding magnet with installation set and door contact
– Service terminal ST 220

　Options

• Flashlight BLE 220, signal horn SLH 220
• GEZE IQ Lock EL, EM, M
• External key switches SCT 220, SCT 221, SCT 222
• Swing door drive TSA 160, Slimdrive EMD
• Control panel TE 220/TTE 220
• External emergency push button NOT 320
• Visualisation software VAT 220 SN
• Terminal T 320
• OPC interface OPC 220
• Uninterruptible power supply (USV)

Note

For further information about the individual system components see the chapter "System components" from page 18 onwards.

GEZE Door Control Unit TZ 300 SN

The GEZE door control unit TZ 300 SN is part of the SecuLogic escape route system and is used to control and monitor electrically locked doors on emergency exit routes.

Doors on emergency exit routes are reliably protected against unauthorised passage by the GEZE door control unit. At the same time, the integrated emergency push button guarantees passage at all times in emergency situations.

GEZE door control unit TZ 300 UP

GEZE door control unit TZ 300 AP

▶ **Product features**
- 3 LED displays for door modes
  - Locked, unlocked
  - Door leaf open, closed
  - Alarm, pre-alarm
- Integrated illuminated emergency push button
- integrated key switch for
  - Unlocking, short-term release
  - Locking
  - Alarm reset
- Integrated differentiated acoustic alarm for indication of the pre-alarm or actuation of the emergency push button
- Integrated sabotage protection
- Automatic abortion of short-term release when the door is closed
- Automatic storage and activation of operating state before and after power failure.
- Flush-mounted installation in 3 flush-mounting boxes 62.5 mm deep

▶ **Technical data GEZE door control unit TZ 300 SN**

Technical product description		
Dimensions (B x H x D)	Flush-mounted version	81 x 223 x 62.5 mm
	Surface-mounted version	77 x 197 x 88 mm
Integrated power supply	Flush-mounted version	500 mA, 350 mA for peripherals
	Surface-mounted version	800 mA, 350 mA for peripherals
Connections		Input for emergency unlocking through hazard alarm system
		Input for access control system and timer
		Potential-free output for optical/acoustic alarm indication or alarm relaying
Connection possibility for locking elements	Flush-mounted version	2 x FTÖ, 1 x holding magnet
	Surface-mounted version	3 x FTÖ, 2 x holding magnet
Area of use		Dry rooms

GEZE Door Control Unit TZ 320

The GEZE door control unit TZ 320 is part of the SecuLogic escape route system and is used to control and monitor electrically locked doors on emergency exit routes. In addition, it offers numerous interfaces to other products and systems. Swing door drives, motor locks, signal sensors and much more can be connected. Messages to higher-order building management systems or central control via PC or control panel are also possible. Intelligent functions between the door control units can be realised via the GEZE bus system, e.g. air lock functions or circuit-entering and relaying of fire alarm or burglar alarm systems.

GEZE door control unit TZ 320 UP

GEZE door control unit TZ 320 AP

▸ **Product features**
  – Flexible concept: Available as a tailor-made solution in 3, 2 or 1-box version
  – Available as flush-mounted or surface-mounted version
  – Surface-mounted version: Also available turned through 180° (emergency push button at the top)
  – Flush-mounted version: Suitable for all 55-size switch ranges such as those from Berker, Feller, Gira, Jung, Merten
  – Attractive design
  – 3 inputs and 2 outputs for more functions
  – Straightforward installation thanks to clearly separated connections
  – Parameter setting via the service terminal ST 220
  – Operation via integrated power supply (option)
  – Alarm memory with date and time
  – Completely compatible with the predecessor version TZ 220

▸ **Technical data GEZE door control unit TZ 320**

Technical product description		
Dimensions (B x H x D)	Flush-mounted 3-fold	81 x 223 x 62.5 mm
	Surface-mounted version	77 x 197 x 88 mm
Integrated power supply	Flush-mounted version	500 mA, 350 mA for peripherals
	Surface-mounted version	800 mA, 650 mA for peripherals
Connections	3 programmable inputs for	• Emergency unlocking through hazard alarm system or central emergency push button • Access control system • Timer etc.
	2 programmable, potential-free outputs for	• Optical/acoustic alarm indication or • GEZE IQ Lock EL, EM, M or • Door opener ZuKo or • Signal light in combination with air lock or • Output system states
	Connection possibility for	• Terminal T 320
	Input for	• Indirect release through central emergency push button
Connection possibility for locking elements	Flush-mounted version	2 x FTÖ, 1 x holding magnet
	Surface-mounted version	3 x FTÖ, 2 x holding magnet
Area of use		Dry rooms

GEZE Terminal Box KL 220

Extension of functions of the door control unit TZ 320 by a further 4 inputs and 6 outputs.
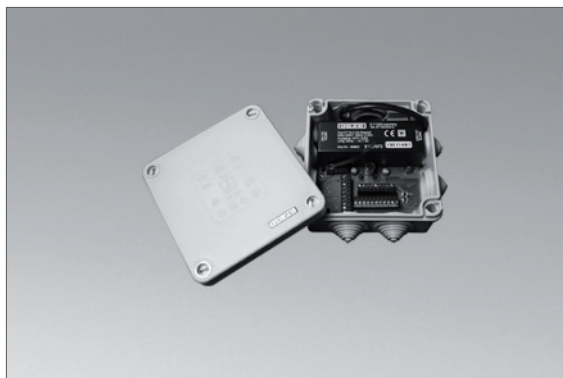
GEZE Terminal Box KL 220

▸ **Product features**
  – Operation of the KL 220 only possible in combination with a TZ 320
  – Voltage supply to the TZ 320 via KL 220
  – Communication of TZ 320 with KL 220 via RS 485 interface
  – With sabotage monitoring

▸ **Technical data GEZE terminal box KL 220**

Technical product description		
Dimensions (H x B x D)	Flush-mounted version	107 x 107 x 57 mm
	Surface-mounted version	113 x 113 x 58 mm
	Installation board	90 x 90 mm
Integrated power supply		800 mA, 600 mA for peripherals
Connections		4 programmable inputs
		6 programmable, potential-free outputs
Connection possibility for locking elements		3 x FTÖ, 2 x holding magnet
Protective class		IP 55
ID no.	Flush-mounted version	089317
	Surface-mounted version	087262

GEZE Control Panel TE 220/TTE 220

As a control and display unit, the control panel TE 220/TTE 220 is suitable for up to 20 individual door control units via a bus system.

GEZE control panel TE 220
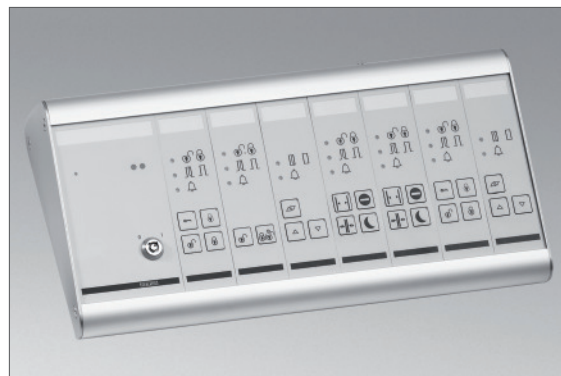
GEZE control panel TE 220

▶ **Product features**
  – Modular design and building-related configuration
  – Master panel MTA 220 for the convenient control of all functions incl. bus interface
  – Emergency push button NTA 220 for the central unlocking of all doors on the bus line.
  – Slave panel STA 220 for operation/display of one respective assigned door control unit.
  – LED displays for door modes locked/unlocked, open/closed, alarm
  – Operating panel for unlocking, short-term release, locking
  – Forming several doors into groups through parameter setting via ST 220
  – Blind cover BTA 220 for covering any door modules not used
  – Protection against misuse through integrated key switch
  – Power supply for supplying the control panel
  – Two flush-mounting boxes 62.5 mm deep are required for flush-mounted installation

▶ **Technical data GEZE control panel TE 220/TTE 220**

Technical product description		
Dimensions	Width	Variable, depending on the number of doors: max. 884 mm
	Height	160 mm
	Depth	22/55 mm (with/without emergency push button)
Colour	Frame and side parts	Aluminium, anodised
	Operating panel	Light grey
Mains voltage		230 V AC
Operating voltage		24 V DC
Current consumption	MTA 220	30 mA
	NTA 220	30 mA
	STA 220	30 mA
Protective class		IP 20
ID no.	TE 220	098283
	TTE 220	125920

Accessories

GEZE Virtual Display and Operating Panel VAT 220 SN

– For large buildings e.g. shopping centres, hotels, hospitals
– Multi-door systems on several levels
– Scaleable up to 504 doors
– Clearly structured user-friendly interface
– Central locking and unlocking of all doors without a server system
   being necessary
– Display of alarm or door mode
– Password protection
– Individual control possibilities:
   • Specific locking and unlocking of both all or individual doors
   • Unlocking of all the doors connected via a central emergency
      push button
   • Event memory with protocol function
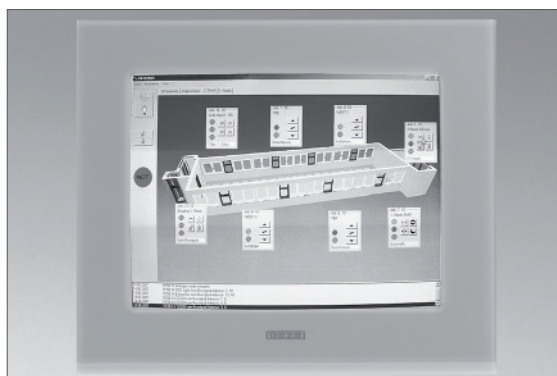
Virtual display and operating panel
VAT 220 SN

▶ **Technical data**

Technical product description	
Minimum configuration	PC with 586 processor from 500 MHz 64 MB RAM, 2 GB hard disk, CD ROM drive
	VGA monitor (1024 x 768)
	30 MB free memory
	Windows 98, 2000, XP or Vista
ID no.	105278

OPC

– OPC = OLE for Process Control
   The software interface OPC is used in the escape route system for the
   transmission of data to higher-level building management systems.
   The OPC interface guarantees simple communication between devices
   from different manufacturers.
– Up to 8 bus lines with 63 participants each are possible.

▶ **Technical data**

Technical product description	
ID no.	107732

GEZE Emergency Exit Opener Type 331

– For locking emergency exit doors according to the quiescent current principle
– Guarantees secure unlocking of the door even when there is a lot of pressure against the door
– Integrated feedback contacts to monitor door locking (locked/ unlocked) and the door mode (open/closed)
– **Not suitable for retrofitting to fireproof doors**
– Installation offset from the existing panic lock in connection with latch lock

Emergency exit opener type 331

▸ **Technical data**

Technical product description	
Resistant against attempts to break open	7500 N
Operating voltage	24 V DC
Current consumption	160 mA
Enclosure rating	IP 30

Note
Different variants can be ordered,
see Price List GEZE Safety Technology.

GEZE Latch Lock 807/10

– Mortice latch lock as counterpart to the emergency exit door opener
– Adjustable latch

▶ **Technical data**

Technical product description	
Slideway	5 mm
ID no.	076019

Latch lock 807/10

GEZE Holding Magnet MA 500

– For the magnetic locking of emergency exit doors according to the quiescent current principle
– With integrated Hall sensor for locked / unlocked message
– Bi-colour LED for indicating state
  (green = locked, red = fault)
– Complete with counterplate
– Suitable for retrofitting to fireproof doors
– Installation offset from the existing panic lock
– Installation only in connection with the installation set and door contact

Holding magnet MA 500

▶ **Technical data**

Technical product description	
Resistant against attempts to break open	5000 N
Rated operating voltage	24 V DC
Current consumption	250 mA
Connection	PG9
ID no.	024740

GEZE Installation Set for MA 500

– For installation of the MA 500 on an emergency exit door
– Retrofitting to a fireproof door only after agreement with the door
  manufacturer and use of rivet nuts
– Universal fixing possibility thanks to variable hole pattern
– Self-locking attachment screws

▸ **Technical data**

Technical product description	
Screw fitting	PG9
Metal tube	400 mm
ID no.	Hinge side silver-coloured	024731
	Opposite hinge side silver-coloured	024732
	Soffit installation silver-coloured	025727
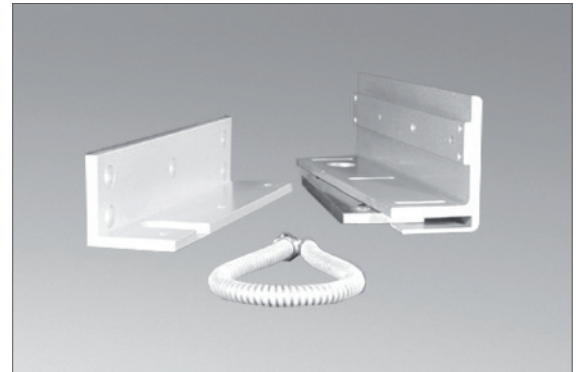
Installation set for MA 500

GEZE Door Contacts

– For additional monitoring of the door mode (open/closed)
– Non-contact actuation through permanent magnet
  (reed contact) with connection cable 2 m
– Use version 069607 for steel doors
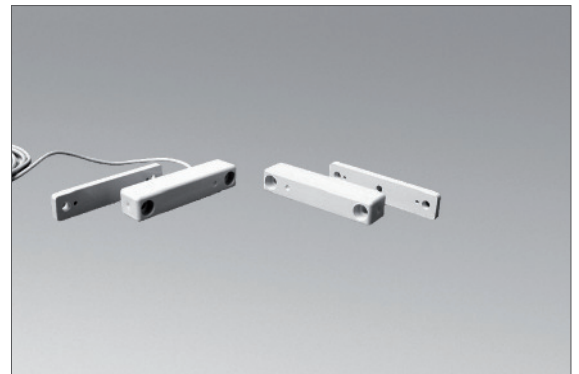
Door contacts

▸ **Technical data**

Technical product description	
Switching current	0.5 A
Switching voltage	24 V
ID no.	Flat reed contact with fixture, reacting distance approx. 10 mm	069288
	Flat reed contact with cross hole and mounting base, reacting distance approx. 10 mm	069606
	Block reed contact with fixture, reacting distance approx. 20 mm for steel doors	069607

GEZE Emergency Push Button NOT 320 AP

– External emergency push button for release of the emergency exit
  door in connection with a door control unit
– Lighting with long-life LED
– Reusable cover hood
– Surface-mounted installation
– With AP cap Jung AS 500, white WW
– One-pole opener contact with forced opening
– One-pole closer contact with forced opening

▶ **Technical data**

Emergency push button NOT 320 AP

Technical product description	
Operating voltage	24 V DC
Current consumption	approx. 30 mA
Enclosure rating	IP 20
Dimensions (W x H x D)	55 x 55 x 27 mm W x H: Slam button D: Distance upper edge supporting ring to rear edge clamps
ID no.	137967

GEZE Emergency Push Button NOT 220 AP (plastic)

– External emergency push button for release of the emergency exit
  door in an emergency
– Lighting with long-life LED
– Lead-sealable, reusable cover hood
– Surface-mounted installation
– Complete with "emergency exit" sign
– Plastic housing
– One-pole opener contact with forced opening
– One-pole closer contact with forced opening

▶ **Technical data**

NOT 220 AP (plastic)

Technical product description	
Dimensions (W x H x D)	94 x 94 x 122 mm
Operating voltage	24 V DC
Current consumption	17 mA
Enclosure rating	IP 65
Colour	Grey/light grey
ID no.	076777

GEZE Emergency Push Button NOT 320 UP

– External emergency push button for release of the
   emergency exit door in connection with a door control unit
– Lighting with long-life LED
– Reusable cover hood
– Flush-mounted installation
– One-pole opener contact
– One-pole closer contact
– Note: The frame must be ordered separately.

▶ **Technical data**

Technical product description	
Dimensions (W x H x D)	55 x 55 x 27 mm W x H: Slam button D: Distance upper edge supporting ring to rear edge clamps
Operating voltage	24 V DC
Current consumption	approx. 30 mA
Enclosure rating	IP 20
ID no.	136571 Delivered without frame
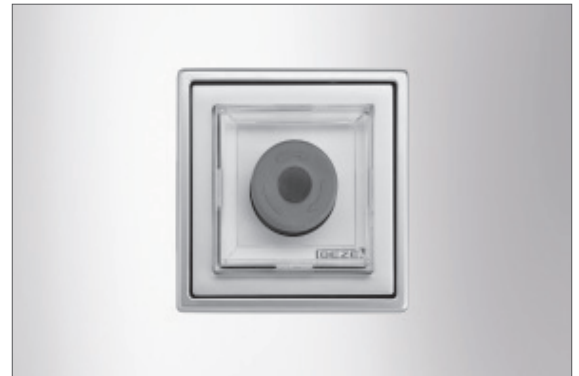
Emergency push button NOT 320 UP with frame

GEZE signs for emergency push button

– Labelling of all emergency push buttons
– Self-adhesive and fluorescent in accordance with DIN 4844-2

▶ **Technical data**

Technical product description		
Dimensions (W x H x D)		72 x 72 mm
ID no.	Arrow upwards	088090
	Arrow downwards	084992
	Arrow to the right	100025
	Arrow to the left	100017

Signs for the emergency push button

GEZE Emergency Exit Route Sign FWS

– Flush-mounted unit suitable for switch ranges of the size 55 x 55 mm
– Variants: illuminated, non-illuminated

▸ **Technical data**

Technical product description		
ID no.	illuminated	130383
	non-illuminated	130381

GEZE fixture for emergency exit sign

– GEZE surface-mounted fixture for mounting the emergency exit route sign

▸ **Technical data**

Technical product description	
ID no.	089361

Fixture for emergency exit sign

GEZE Key Switch SCT 221

– External key switch for authorised door passage by actuating the short-term release function by key
– Connection to all door control units
– Surface-mounted or flush-mounted installation
– With or without profile half cylinder
– Metal housing
– One-sided switching operation
– One-pole closer
– Zamak flush-mounted box 50 mm deep included in the scope of supply

▸ **Technical data**

Key switch SCT 221

Technical product description		
Dimensions (W x H x D)	Flush-mounted version	75 x 75 x 61 mm
	Surface-mounted version	75 x 75 x 50 mm
Enclosure rating		IP 54
ID no.	Flush-mounted version	with profile half cylinder	054245
		without profile half cylinder	054240
	Surface-mounted version	with profile half cylinder	054533
		without profile half cylinder	054532

GEZE Key Switch SCT 220 UP

– External key switch for authorised door passage by actuating the short-
  term release function by key
– Connection to all door control units
– Flush-mounted installation
– Complete with profile half cylinder in single frame
– One-pole reversible switch (2 closers)
– With profile half cylinder

▶ **Technical data**

Technical product description			
Dimensions (W x H x D)			81 x 81 x 62.5 mm
Enclosure rating			IP 20
ID no.	Jung	AS 500	alpine white	115442
		LS 990	stainless steel	094170
	Gira	E2	pure white	094012

Key switch SCT 220 UP, LS 990 stainless steel

GEZE Key Switch SCT 222 with LED display

– External operating element for connection to GEZE SecuLogic door
  control units
– LED left: red/green 24 V DC displaying locked/unlocked
– LED right: yellow for 24 V DC for displaying alarm
– Connection via integrated terminal strip and RP 220
– Aluminium front plate
– Complete with profile half cylinder
– Surface-mounted or flush-mounted installation
– Switching operating to both sides, one-pole (closer)

▶ **Technical data**

Key switch SCT 222 with LED display

Technical product description		
Dimensions	Flush-mounted version	Front plate: 110 x 100 mm
		Flush-mounted box: approx. 70 x 80 x 45 mm
	Surface-mounted (W x H x D)	70 x 80 x 45 mm
Enclosure rating		IP 54
ID no.	with profile half cylinder	Flush-mounted version	100065
		Surface-mounted version	100064

GEZE Key Switch SCT 320

– Key switch with sabotage transmission

Key switch SCT 320

▸ **Technical data**

Technical product description	
Dimensions (W x H x D)	55 x 55 x 41 mm W x H: Cover D: Distance upper edge supporting ring to at-tached clamp
Operating voltage	24 V DC (±10 %)
Enclosure rating	IP 20
ID no. white GIRA E2	130370
anthracite	132278
pure white Jung AS 500	131984

GEZE Signal Horn SLH 220

– External signal horn for acoustic alarm indication
– Connection possibility to all door control units
– Surface-mounted or flush-mounted installation
– 26 settings for signal tone

Signal horn SLH 220

▸ **Technical data**

Technical product description			
Dimensions	Flush-mounted version		81 x 81 x 62.5 mm
	Surface-mounted (Ø x H)		111 x 25,5 mm
Operating voltage			10-28 V DC
Current consumption			16 mA
Enclosure rating	Flush-mounted version		IP 20
	Surface-mounted version		IP 54
ID no.	Flush-mounted version	Jung alpine white	091436
		stainless steel	091437
	Surface-mounted version		072112
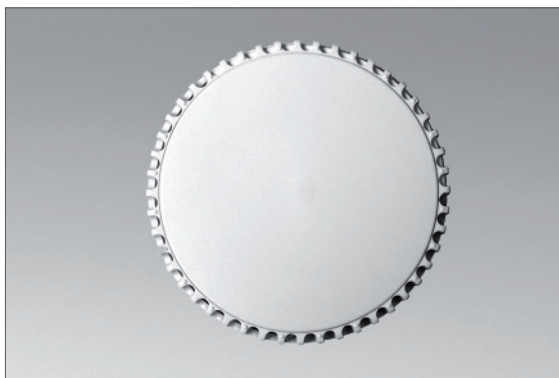
GEZE

GEZE Flashlight BLE 220 AP

– External flashlight for optical alarm indication
– Connection possibility to all door control units
– Surface-mounted installation
– Sturdy, maintenance-free and fail-safe design, polycarbonate housing
– Xenon tubes for high light output

▶ **Technical data**

Technical product description	
Dimensions (Ø x H)	93 x 72 mm
Operating voltage	20-30 V DC
Current consumption	90 mA
Enclosure rating	IP 54
Flashing frequency	1 Hz
Reflector colour	red
ID no.	089353
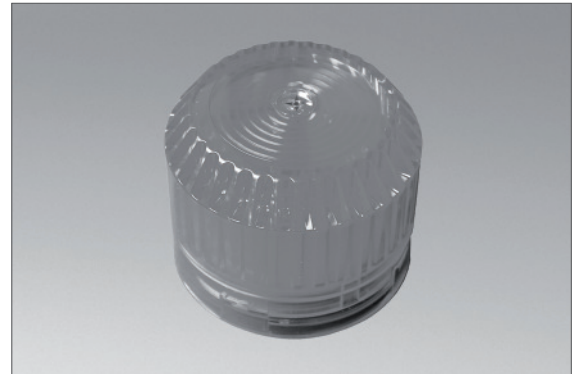
Flashlight BLE 220 AP

GEZE Signal Horn with Flashlight SHB 220 AP

– External signal horn with flashlight for optical and acoustic alarm indication
– Connection possibility to all door control units
– Comprising an external signal horn and external flashlight
– Surface-mounted installation

▶ **Technical data**

Technical product description	
Dimensions (Ø x H)	111 x 97 mm
Flashing frequency	1 Hz, ± 20 %
Volume	max. 94 dB (at a distance of 1 m)
Operating voltage	20-30 V DC
Current consumption	max. 110 mA at 24 V DC
Enclosure rating	IP 54
Colour	white
ID no.	089354
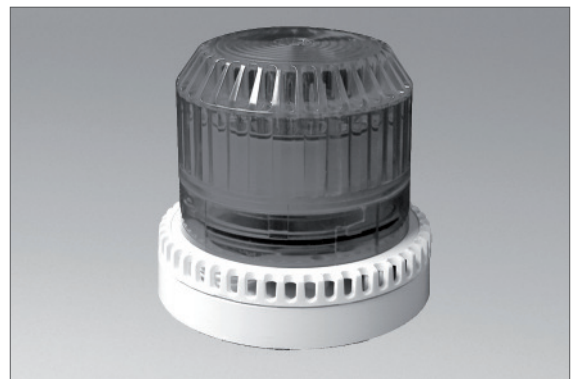
Signal horn with flashlight SHB 220 AP

GEZE Signal Light SLE 220

– External signal light for optical alarm indication
– Connection to all control units
– Flush-mounted or surface-mounted installation

▸ **Technical data**

Technical product description		
Dimensions (W x H x D)	Flush-mounted version	81 x 81 x 25 mm
	Surface-mounted version	61 x 61 x 47 mm
Operating voltage		24 V DC
Current consumption		85 mA
Enclosure rating		IP 20
Reflector colour		red
ID no.	Flush-mounted version	alpine white	089348
		stainless steel	089349
	Surface-mounted version	alpine white	080866

Signal light SLE 220

GEZE Power Supply NET 220

– For power supply to various components
– For installation in a flush-mounted box 62.5 mm deep plastic housing, cast module

▸ **Technical data**

Technical product description		
Dimensions (Ø x D)		50 x 40 mm
Enclosure rating		IP 54
Voltage	Primary	230 V AC, 50 Hz
	Secondary	24 V DC
Current consumption	Primary	0.15 A
Current output	Secondary	500 mA, 12 W
ID no.		087243

Power supply NET 220

GEZE Power Supply NT 19.2-24

– For power supply to various components
– Plastic housing

▶ **Technical data**

Power supply NT 19.2-24

Technical product description		
Dimensions (W x H x D)		100 x 32 x 32 mm
Enclosure rating		IP 54
Voltage	Primary	230 V AC, 50 Hz
	Secondary	24 V DC
Current consumption	Primary	0,25 A
Current output	Secondary	800 mA, 19.2 W
ID no.		089862
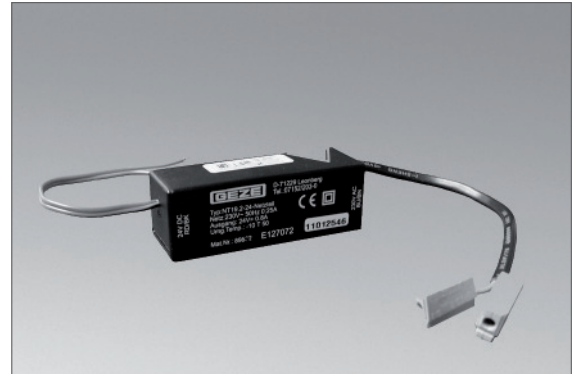
GEZE Service Terminal ST 220

– For parameter setting and diagnosis in connection with TZ 320, TZ 320 + KL 220 and TE 220/TTE 220
– For battery operation with 4 micro cells
– Integrated IrDA interface
– Plain text display of all events, menu items and settings on an illuminated 4-line display
– Automatic cut-off
– Keypad with 5 operating buttons

▶ **Technical data**

Service terminal ST 220

Technical product description	
Dimensions (W x H x D)	80 x 125 x 37 mm
Enclosure rating	IP 40
Colour	green-blue (similar to RAL 5020)
ID no.	087261

GEZE Relay Board RP 220

– For universal use
– 2 potential-free changeover contacts

▸ **Technical data**

Technical product description	
Dimensions (W x H x D)	28 x 25 x 18 mm
Switching load	30 V / 1 A
Operating voltage	24 V DC
Current consumption	10 mA
ID no.	102355
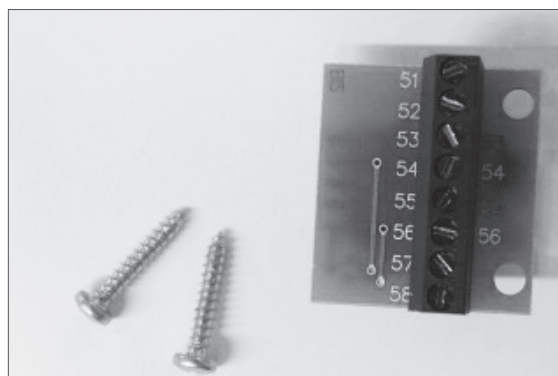
Relay board RP 220

Dimensional drawings

Door control unit TZ 300 AP

Mounting plate
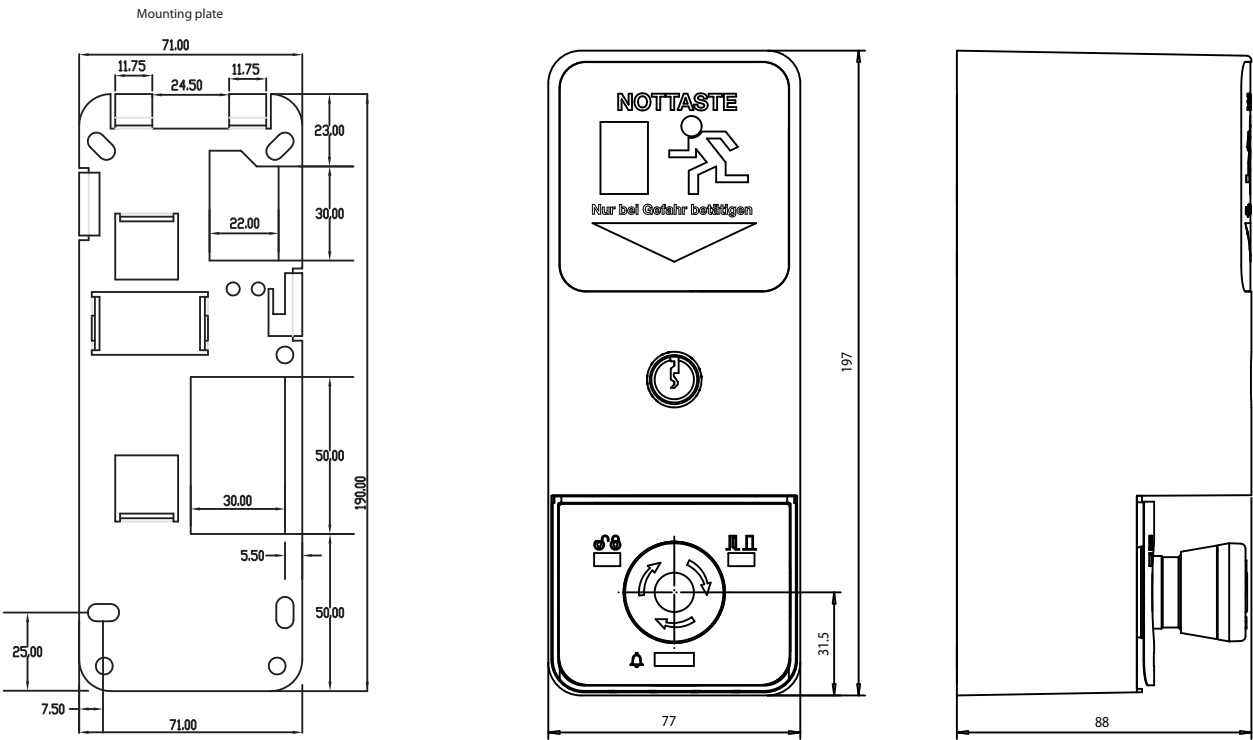
Door control unit TZ 300 AP with emergency push button

Specifications in mm

Door control unit TZ 300 UP

Door control unit TZ 300 UP

Door control unit TZ 322 AP

Mounting plate
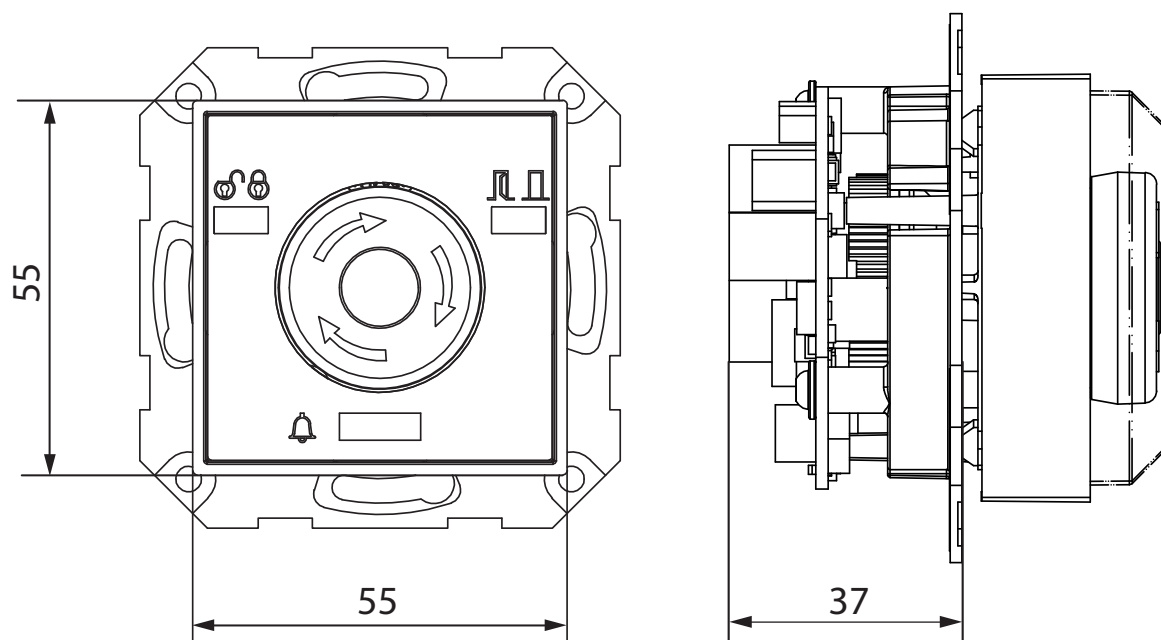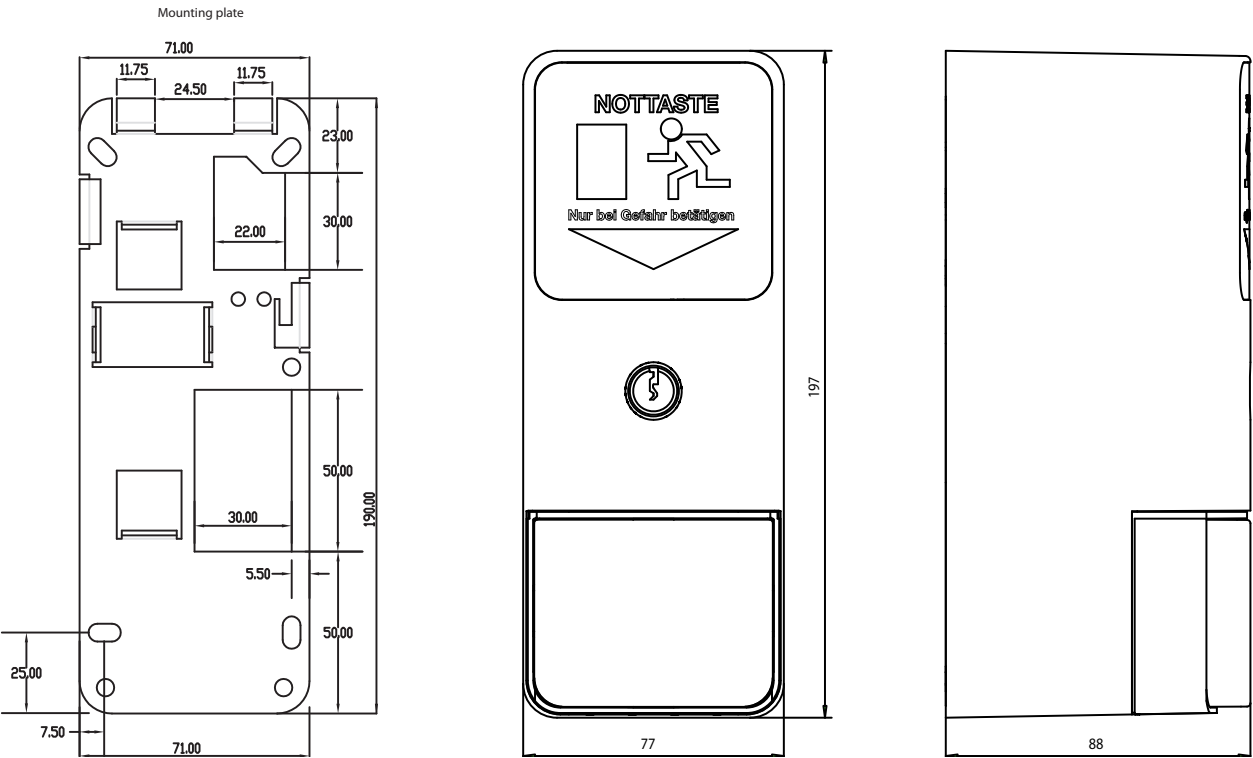
Door control unit TZ 322 AP

Door control unit TZ 320 AP with emergency push button
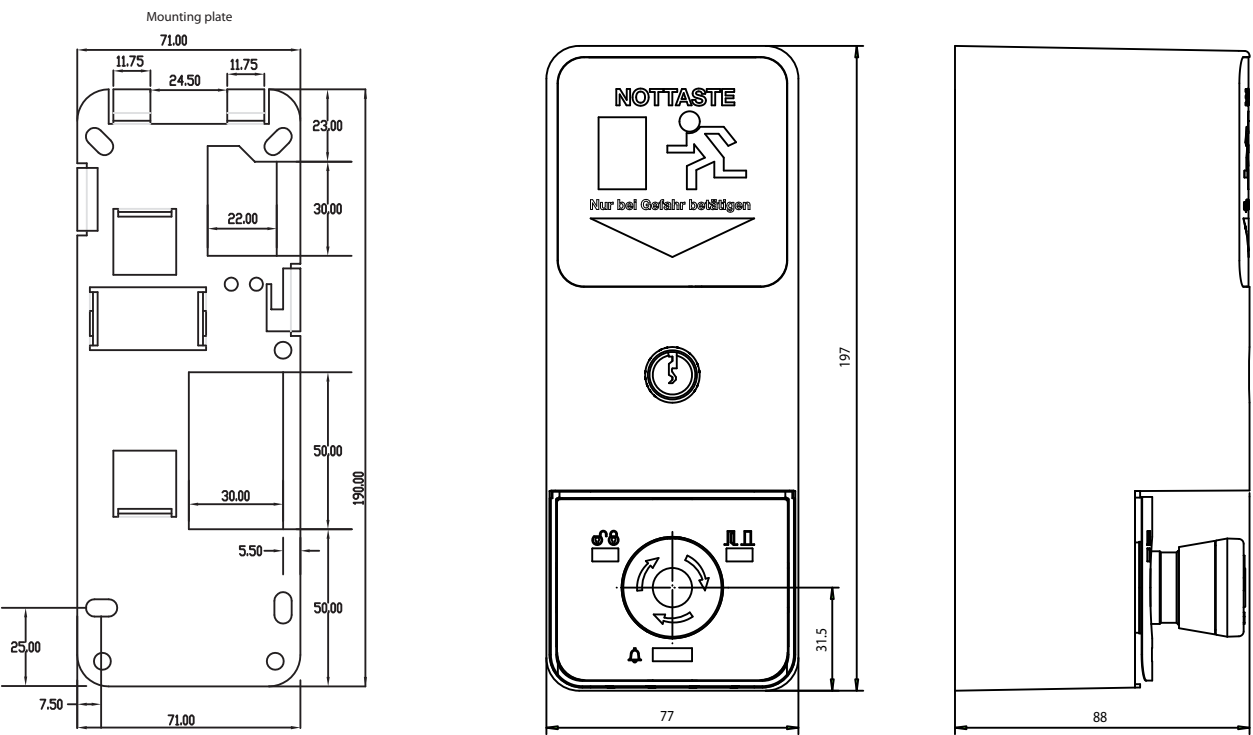
Mounting plate

Door control unit TZ 320 AP with emergency push button

Specifications in mm

Door control unit TZ 320 UP Jung AS 500
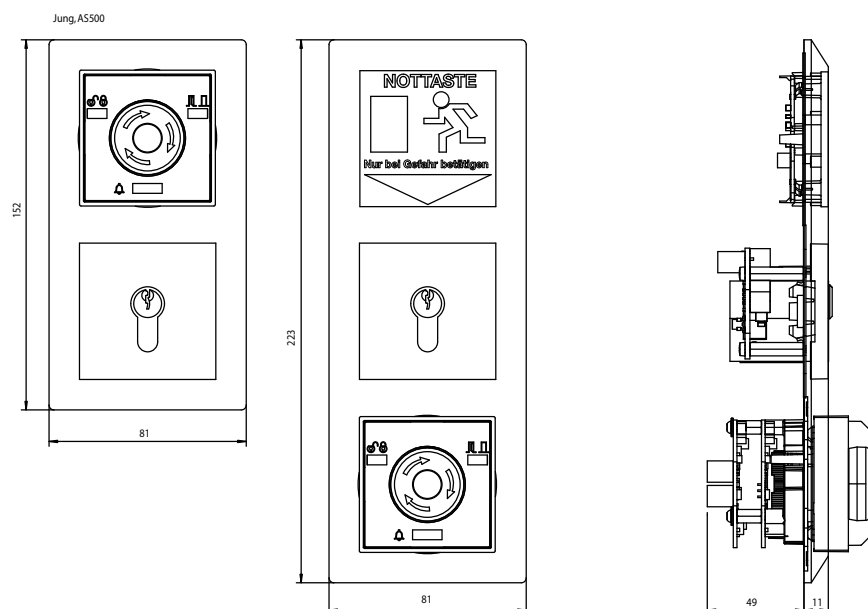
Jung, AS500

Door control unit UP Jung AS 500

Door control unit TZ 320 UP Jung stainless steel

Jung, Edelstahl
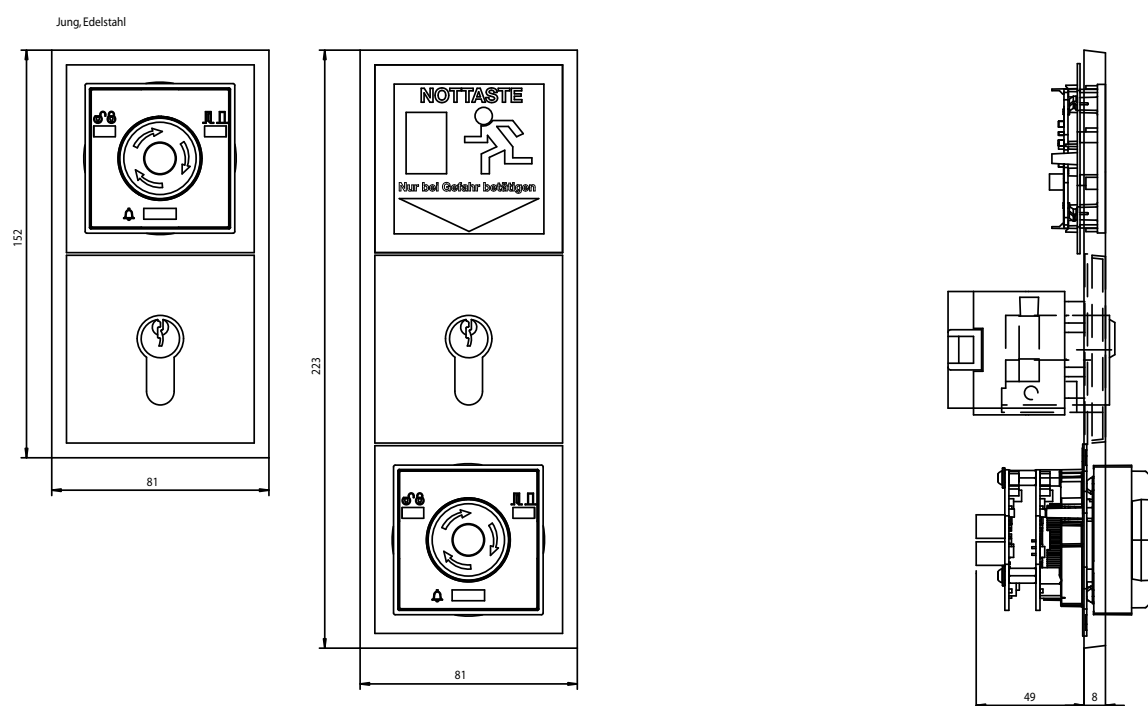
Door control unit TZ 320 UP Jung stainless steel

Specifications in mm

Emergency exit door opener with short flat strike plate (diagram shows DIN left, DIN right is mirror-inverted)
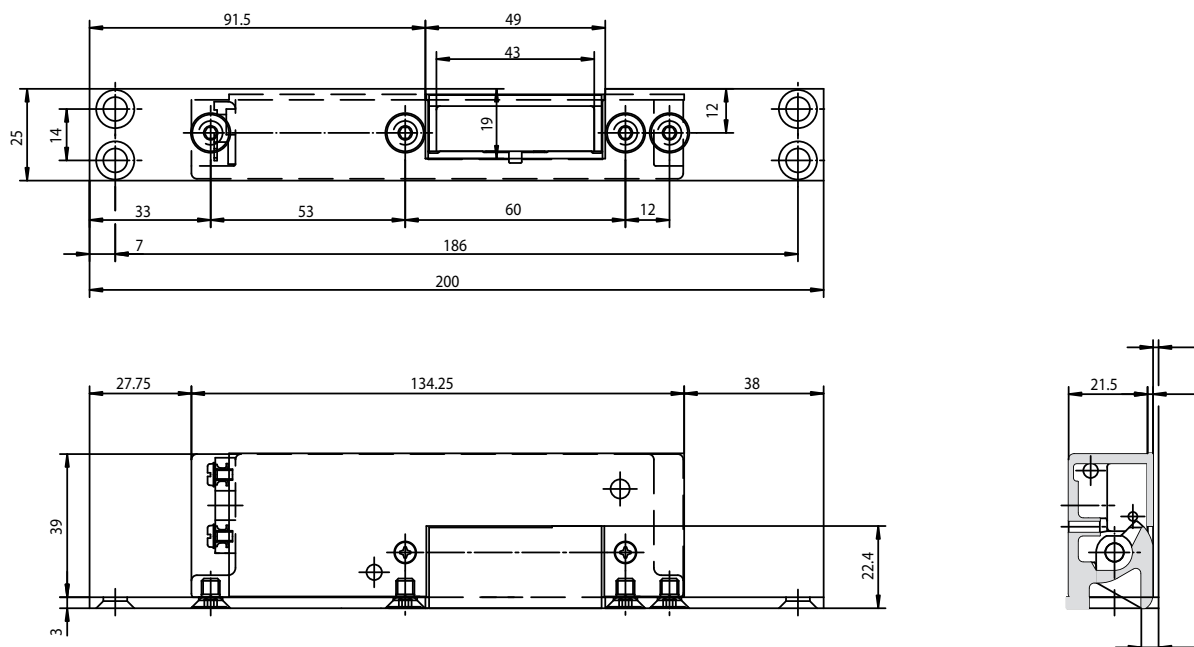
Emergency exit door opener with short flat strike plate (diagram shows DIN left, DIN right is mirror-inverted)

Emergency exit door opener with short angled strike plate (diagram shows DIN left, DIN right is mirror-inverted)
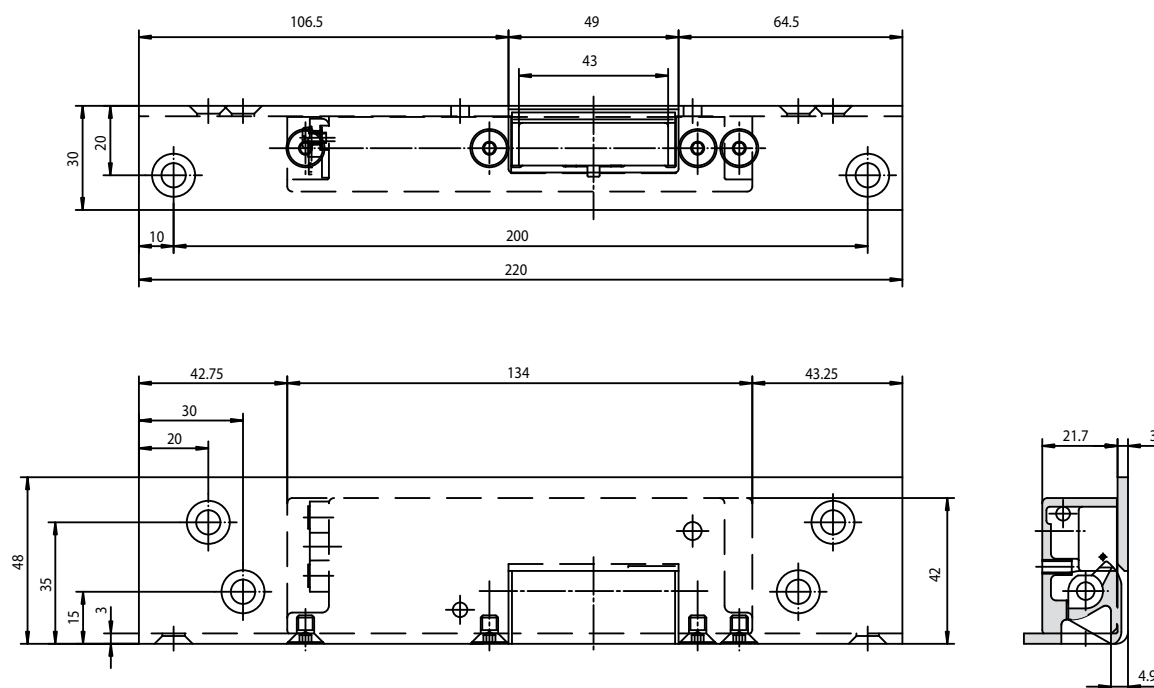
Emergency exit door opener with short angled strike plate (diagram shows DIN left, DIN right is mirror-inverted)

Specifications in mm

Emergency exit door opener with lock latch guide (diagram shows DIN left, DIN right is mirror-inverted)
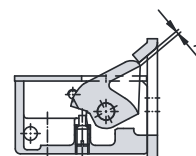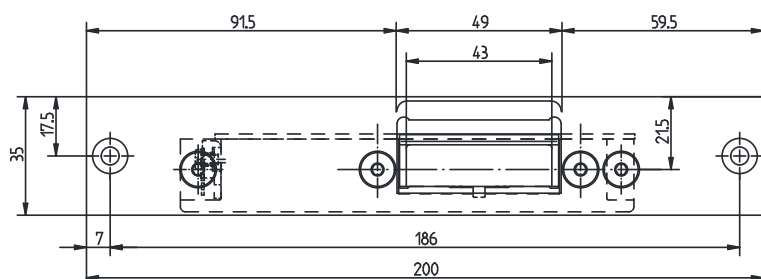
Set dimension x to approx.
1 mm using the setting screw!
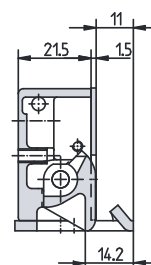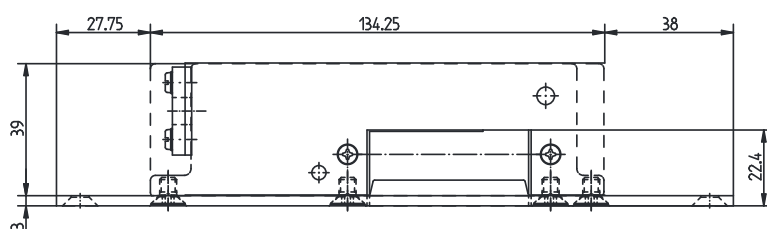
Emergency exit door opener with lock latch guide (diagram shows DIN left, DIN right is mirror-inverted)

Latch lock
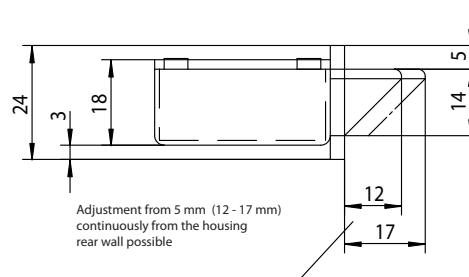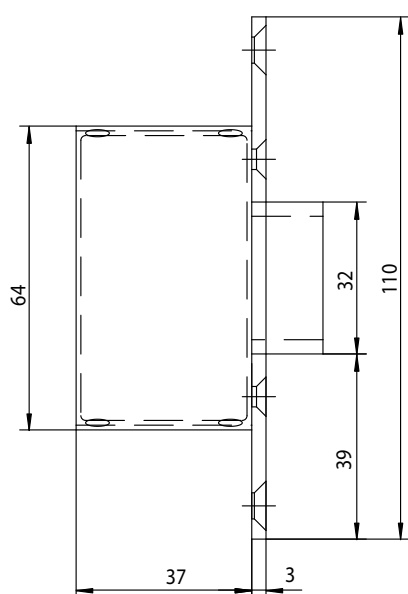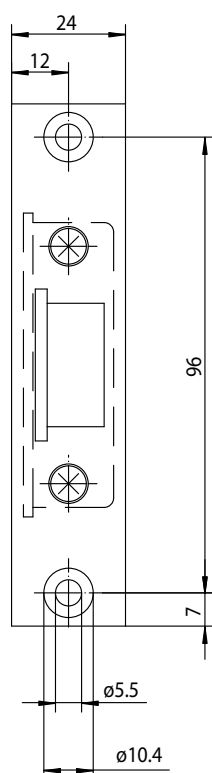
Adjustment from 5 mm (12 - 17 mm)
continuously from the housing
rear wall possible

Latch lock

Specifications in mm

Holding magnet MA 500
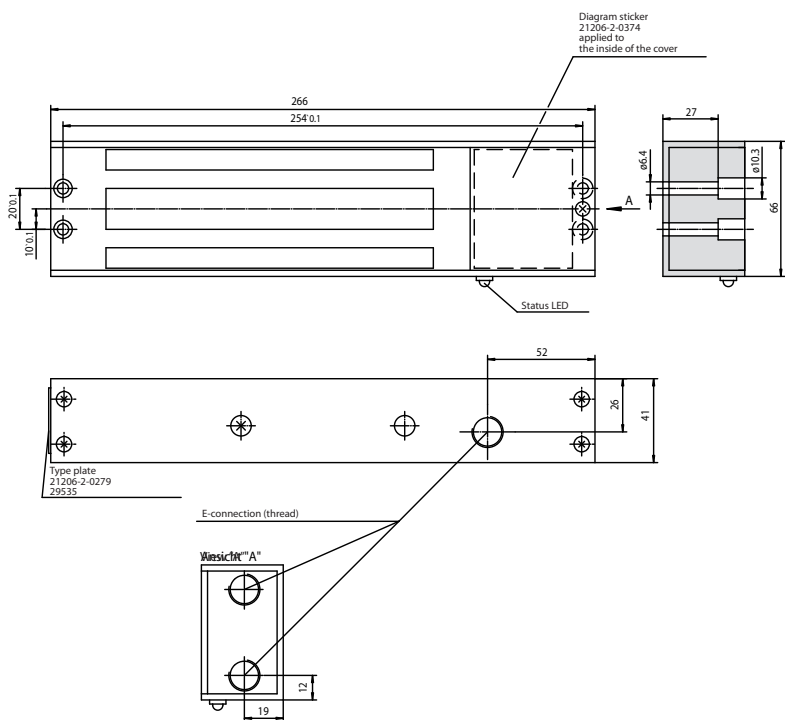
Holding magnet MA 500

Installation set for jamb (cable routing from the top or side)
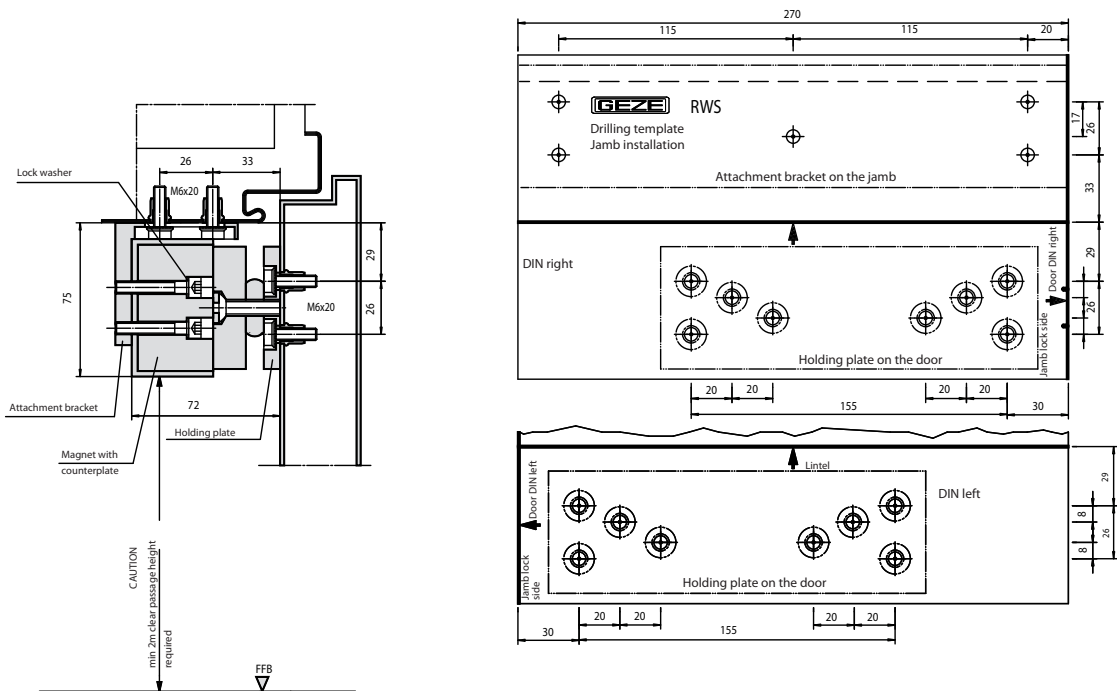
Installation set for jamb (cable routing from the top or side)

Installation set for the opposite hinge side (cable routing from the top)

Installation set for the opposite hinge side (cable routing from the top)

Installation set for hinge side (cable routing from the top or side)

Installation set for hinge side (cable routing from the top or side)

Specifications in mm

Round reed contact with fixture (reacting distance 5 mm)

Contact housing

Installation fixture

Magnetic housing

Connection cable
approx. 2 m long

Round reed contact with fixture (reacting distance 5 mm)

Reacting distance:
approx. 5 mm

Flat reed contact with fixture (reacting distance 10 mm)

Magnet

Flat reed contact

Fixture

Connection cable
approx. 2 m long
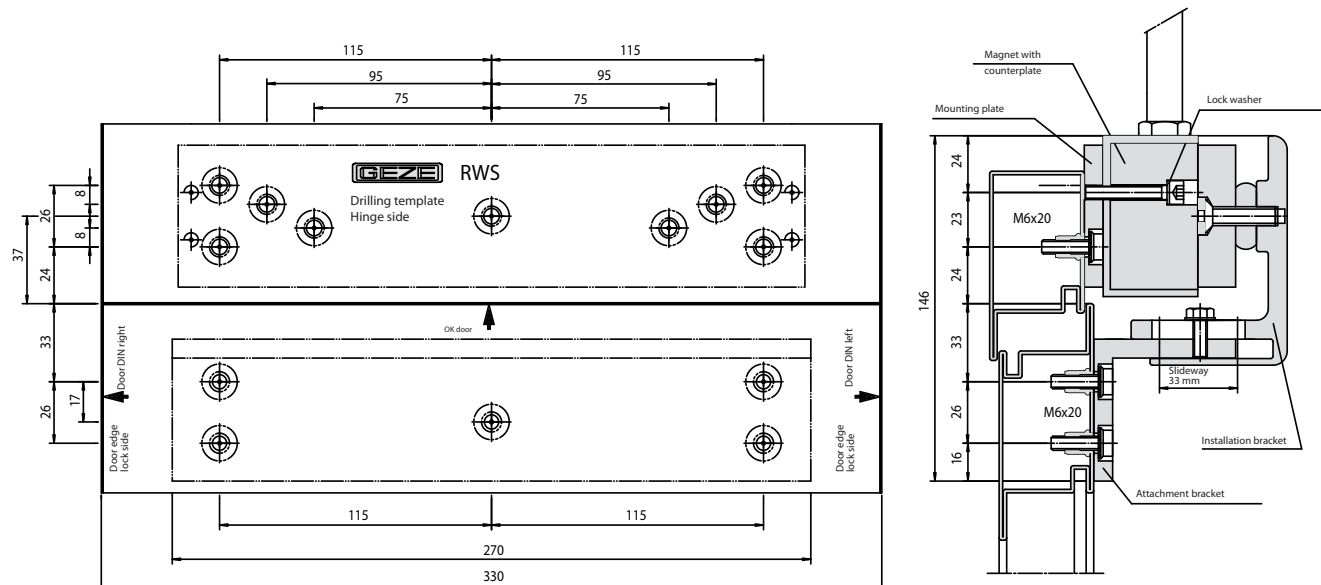
Flat reed contact with fixture (reacting distance 10 mm)
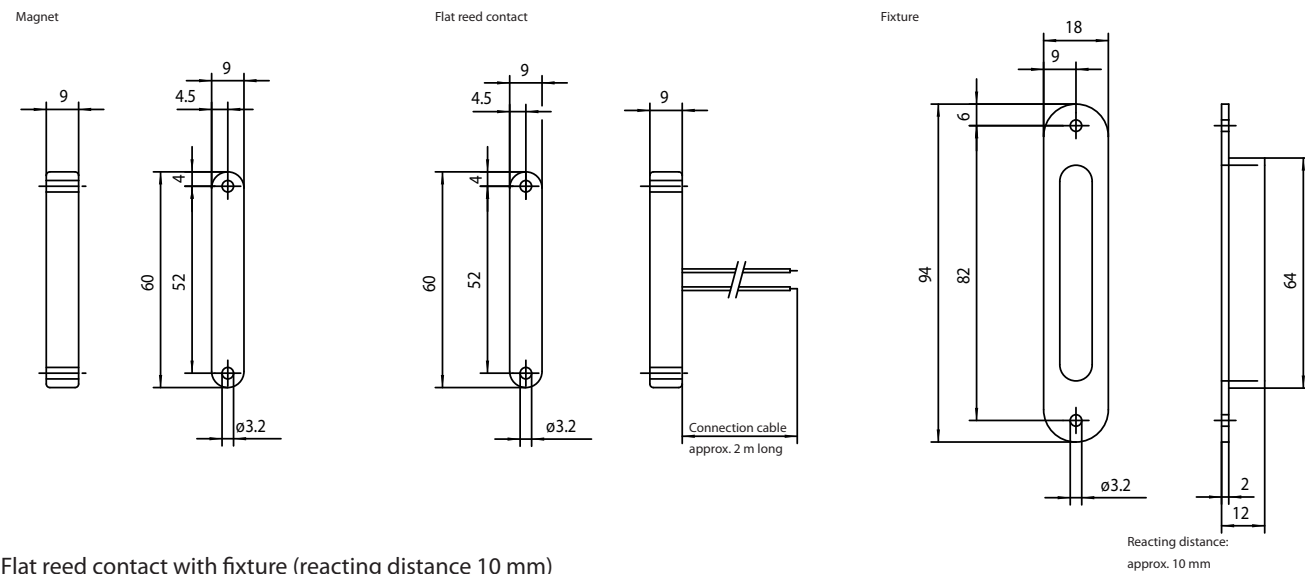
Reacting distance:
approx. 10 mm

Specifications in mm

Flat reed contact with cross hole and mounting base (reacting distance approx. 10 mm)

Flat reed contact with cross hole
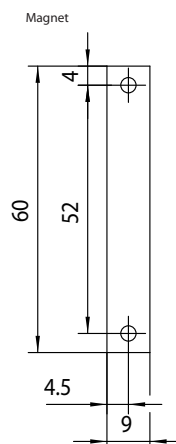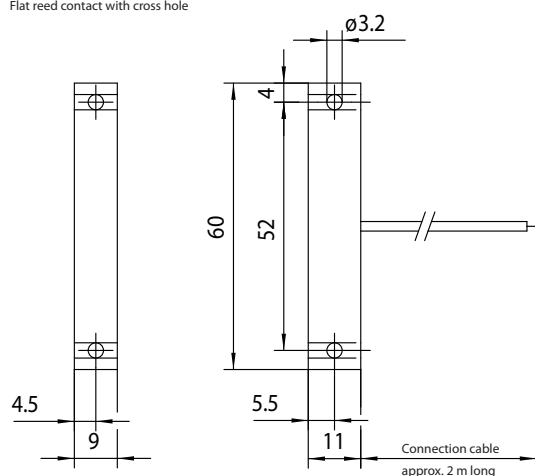
Magnet

Scope of supply:
1 flat reed contact
1 magnet
12 mounting bases

Connection cable approx. 2 m long

Reacting distance: approx. 10 mm

Flat reed contact with cross hole and mounting base (reacting distance approx. 10 mm)

Block reed contact with mounting base for steel doors (reacting distance 20 mm)

Block reed contact
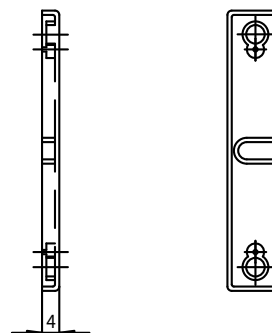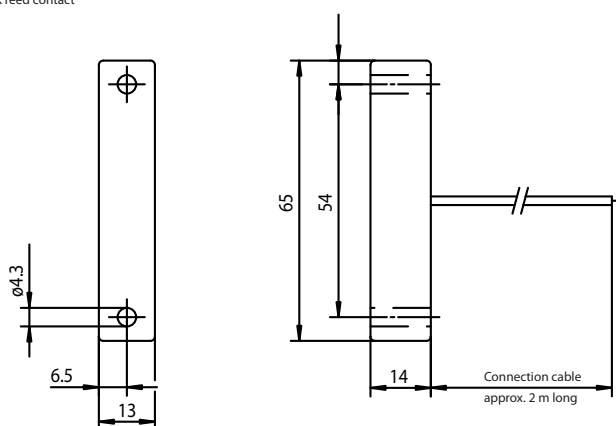
Scope of supply:
1 block magnet
1 block reed contact
6 mounting bases

Connection cable approx. 2 m long

Reacting distance: approx. 20 mm

Block magnet with mounting base
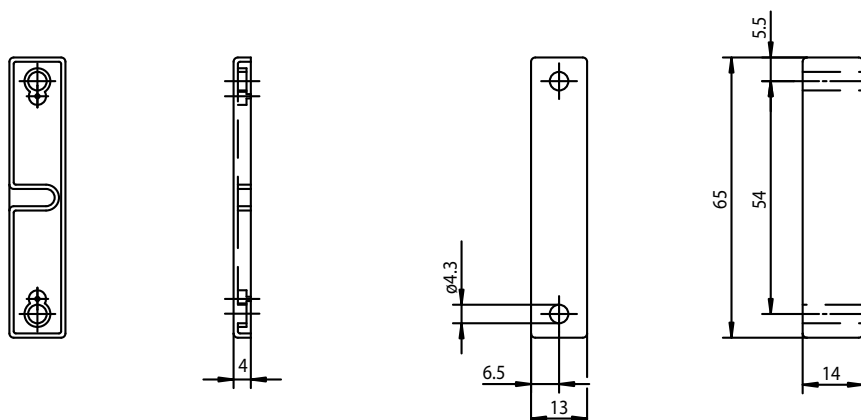
Block reed contact with mounting base for steel doors (reacting distance 20 mm)

Specifications in mm

Emergency push button 220 AP (plastic housing IP 65)
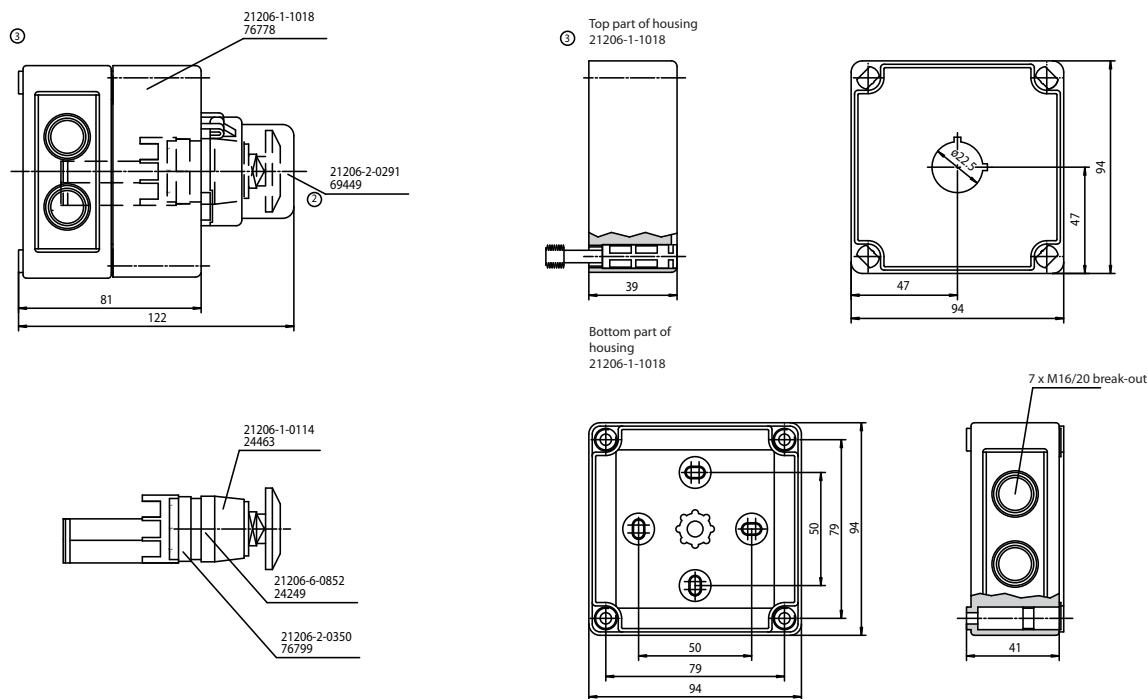
Emergency push button 220 AP (plastic housing IP 65)

Specifications in mm

Cable diagrams

**Installation instructions
TZ 320 AP and TZ 320 UP**

UP versions

AP versions

Recommended height
min. 850 mm
max. 1200 mm

Distance flush-mounted
boxes

71mm

Installation in standard
flush-mounted boxes 62.5
mm deep

Cable feed peripherals,
GEZE BUS, messages

Cable feed 24 V from behind
for variants without power supply.

Cable feed 230 V from behind in upper
box for variants with power supply.

Upper edge finished flooring (OKFF)

Recommended height
min. 850 mm
max. 1200 mm

Emergency push button

Cable feed from behind for
peripherals, GEZE BUS, messages

Cable feed 230 V from behind
for variants with power supply.

Installation instructions for the door control unit:
Installation height of the emergency push button: 850 - 1200 mm
Recommended installation height: 850 mm

Installation of the door control unit in the direct vicinity of the emergency
exit doors to be secured.

When a holding magnet is installed, the clear passage height under the
magnet must be at least 2000 mm.

Flush-mounted door control unit:
Number of flush-mounted boxes required, depth 62.5 mm:
3 boxes with TZ 320 BSN / SN / BN, TZ 300 SN
2 boxes with: TZ 320 S / BN / B / N, TZ 300 S
1 box with: TZ 320 (power supply + SCT external)

Cable types		
① NYM-J 3 x 1.5 with earth conductor	-> for mains supply cable	
② J-Y (ST) Y 2 x 2 x 0.6	-> for peripherals	
③ J-Y (ST) Y 4 x 2 x 0.6	-> for peripherals	

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Surface-mounted cables in metal tube or plastic cable channel
with spiral protective tube made of metal.
Only connect components approved by the manufacturer.

Cable routing, connection and start-up may only be carried out by experts.

Locking elements 2-leaf

2 x emergency exit door opener + latch lock

Mains 230VAC 50Hz

USV 700/1000

Door control unit
TZ 320 SN, UP

Fixed leaf — Panic lock — Active leaf

GEZE FTÖ33U + FS 807-10
GEZE FTÖ33U + FS 807-10
TS5000

1 x emergency exit door opener + latch lock
1 x door contact on fixed leaf

–> Only on rebated doors

Fixed leaf — Panic lock — Active leaf

GEZE FTÖ33U + FS 807-10
TS5000
TK

3 x emergency exit door opener + latch lock

–> Heed max. power consumption.
Current consumption
per FTÖ 331 = 160 mA

Fixed leaf — Panic lock — Active leaf

GEZE FTÖ33U + FS 807-10
GEZE FTÖ33U + FS 807-10
MA500
TS5000
TK

Mains 230VAC 50Hz

USV 700/1000

Door control unit
TZ 320 SN, AP

2 x holding magnet + door contact

–> Heed max. power consumption.
Current consumption
per MA 50 = 250 mA

Fixed leaf — Panic lock — Active leaf

MA500
MA500
TS5000
TK

1 x holding magnet + door contact
1 x door contact on fixed leaf

–> Only on rebated doors

Fixed leaf — Panic lock — Active leaf

MA500
TS5000
TK

2 x holding magnet + door contact
1 x emergency exit door opener + latch lock

–> Heed max. power consumption.
Current consumption
per MA 50 = 250 mA

Fixed leaf — Panic lock — Active leaf

MA500
MA500
GEZE FTÖ33U + FS 807-10
TS5000
TK

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① NYM-J (ST) 3 x 1.5 with earth conductor
② J-Y(ST)Y 2x2x0.6
③ J-Y(ST)Y 4x2x0.6
④ J-Y(ST)Y 2x2x0.8
⑤ Li-Y (ST) Y 4x2x0.6

FTÖ331U	Emergency exit opener
FS807-10	Latch lock
USV	Emergency power supply
RP220	Relay board
GCDU100	Door unit
GCFP	Fingerprint
GCRR /GCVR	Card reader

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Surface-mounted cables in metal tube or plastic cable channel with spiral protective tube made of metal.
Only connect components approved by the manufacturer.
Cable routing, connection and start-up
may only be carried out by experts.

Installation instructions for the door control unit:
Please also heed installation instructions TZ 320 no. 131537 and
sk089-281
Installation height of the emergency push button: max. 1200 mm
Recommended installation height: 850 mm
Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Power supply cable in upper box
Supply cables for peripherals in lower box

Surface-mounted door control unit:
Cable routing in accordance with sketch

Cable feed 230V
Cable feed peripherals

25 75 65

Standard
TZ 300 SN, UP

Mains 230 V AC 50Hz

NET 220

GCDU100 or GCDU200

GCRR200/ GCVR200/ GCVR200T

or

GCFP401

BMA — Fire 1) alarm system

Timer 2)

Access control/ intercom 3)

Alarm 5) message

Key switch with display

Flash- 4) light

Key switch

Signal 4) horn

TÜRLOCK CT1/CTi B 4)

RP 220

Door control unit TZ300SN, UP

USV 700/1000

Panic lock

GEZE FTÖ331U + FS 807-10

TS5000

GEZE FTÖ331U + FS 807-10

GEZE FTÖ332 + FS 807-10

RP220

Holding magnet GEZE MA500
Door contact

Installation instructions for the door control unit:
Please also heed installation instructions TZ300 no. 137351 and sk089-281.

Installation height of the emergency push button: 850 - 1200mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Mains supply cable from behind into the upper box
Supply cables for peripherals from behind into the lower box

Surface-mounted door control unit:
Cable routing in accordance with sketch

Cable feed 230V
Cable feed peripherals

25 75   65 20

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Only connect components approved by the manufacturer

1) Potential-free contact, opener
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Voltage supply via door control unit possible.
   Note maximum power consumption
5) Potential-free contact (30V/1A) from the TZ

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8

FTÖ331U   Emergency exit opener
FS807-10   Latch lock
USV   Emergency power supply
RP220   Relay board
DCDU100   Single Door Unit
GCDU200   Door Unit
GCDU   Fingerprint
GCRR / GCVR Card reader

GEZE

TZ 300 SN AP, IQ Lock C

Installation instructions for the door control unit:
Please also heed installation instructions TZ300 no. 137351 and sk089-281.

Installation height of the emergency push button: 850 - 1200mm
Recommended installation height 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Mains supply cable from behind into the upper box
Supply cables for peripherals from behind into the lower box

Surface-mounted door control unit:
Cable routing in accordance with sketch

Cable feed peripherals
Cable feed 230V

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Only connect components approved by the manufacturer

FT631U	Emergency exit opener
FS807-10	Latch lock
USV	Emergency power supply
RP220	Relayboard
DCDU100	Single Door Unit
GCDU200	Door Unit
GCDU	Fingerprint
GCRR / GCVR	Card reader
KÜ	Cable transition
V	Distributor on-site

1) Potential-free contact, opener
2) Potential-free contact, closer; permanent contact
3) Potential-free contact, closer, impulse
4) Voltage supply via door control unit possible. Note maximum power consumption
5) Potential-free contact (30V/1A) from the TZ

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8
⑤ Empty pipe inner diameter 10mm
⑥ Connection cable 10m, scope of supply IQ Lock EM

Diagram labels:

Mains 230VAC 50Hz
NET 220
GCDU100 or GCDU200
GCFP401
GCRR200/ GCVR200/ GCVR200T
Fire 1) alarm system — BMA
Timer 2)
Access control/ intercom 3)
Key switch with display
Key switch
TOPLOCK CT1/CT1 B 4)
Alarm 5) message
Flash-light 4)
Signal horn 4)
RP 220
USV 700/1000
Door control unit TZ300SN, AP
GEZE IQ Lock C Contact lock
GEZE FT631U + FS 807-10
TS5000
GEZE FT632 + FS 807-10
Holding magnet GEZE MA500
Door contact
KÜ

TZ 320 SN Standard

Installation instructions for the door control unit:
Please also heed installation instructions TZ 320
no. 131537 and sk089-281

Installation height of the emergency push button: max. 1200 mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes
62.5 mm deep
Power supply cable in upper box
Supply cables for peripherals in lower box
Surface-mounted door control unit:
Cable routing in accordance with sketch

Cable feed 230V
Cable feed peripherals

25 75 65 20

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Only connect components approved by the manufacturer.

*) 3 inputs and 2 outputs available

1) Potential-free contact, opener
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Voltage supply via door control unit possible,
   note maximum power consumption
5) Potential-free contact, changeover (30 V / 1 A) from the TZ

① NYM-J (ST) 3 x 1.5 with earth conductor
② J-Y(ST)Y 2x2x0.6
③ J-Y(ST)Y 4x2x0.6
④ J-Y(ST)Y 2x2x0.8

FTÖ331U   Emergency exit opener
FS807-10   Latch lock
USV   Emergency power supply
RP220   Relay board
GCDU100   Door unit
GCFP   Fingerprint
GCRR / GCVR Card reader

GCFP401

GCDU 100

Mains 230VAC

NET 220

GCRR200/ GCVR200/ GCVR200T

GCDU 100

Lock or unlock 3)

Burglar alarm system

EMA

Fire alarm system 1)

BMA

Timer 2)

Access control/ Intercom 3)

Key switch with display

RP 220

Key switch

Number codelock CTI / CTI B 4)

Message sabotage 5)

Message door open 5)

Message door unlocked 5)

Alarm message 5)

Flashlight 4)

Signal horn 4)

GEZE BUS

oder

Mains 230VAC 50Hz

USV 700/1000

Door control unit TZ320SN

GEZE MA500
Holding magnet
Door contact

GEZE FTÖ332 + FS 807-10
RP220

Panic lock

GEZE FTÖ331U + FS 807-10

TS500

TZ 320 Standard
1-box solution with IQ Lock EL

Notes (left side):

*) 3 inputs and 2 outputs available
For the IQ Lock at least 1 input and 1 output are required. 2 inputs and 2 outputs can be occupied per function by the IQ Lock.
Only use power supply approved by GEZE. NT19.2-24, No. 089862, NET 24-5, No. 111182, or power supply 1.3 A, No. 078401. Housing on-site.

**) Only use power supply approved by GEZE. NT19.2-24, No. 089862, NET 24-5, No. 111182, or power supply 1.3 A, No. 078401. Housing on-site.

Installation instructions for door control unit:
Please also heed installation instructions TZ320 or 131537 and sk089-281.

Installation height of the emergency push button: max. 1200 mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 2 standard flush-mounted boxes 62.5 mm deep
24 V supply cable in lower box
Supply cables for peripherals in lower box
Cable routing in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833.
Only connect components approved by the manufacturer.

Legend:
1) Potential-free contact, opener or closer
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Heed max. power consumption
5) Potential-free contact (30 V / 1 A) from the TZ

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) 2x2x0.6
③ J-Y (ST) 4x2x0.6
④ J-Y (ST) 2x2x0.8
⊗ Empty pipe inner diameter 10 mm
⑦ Connection cable 10 m, scope of supply GEZE IQ LOCK EL

FTÖ331U	Emergency exit opener
FS807-10	Latch lock
RP220	Relay board
GCDU100	Door unit
GCFP	Fingerprint
GCRR/VR	Card reader
NET220	Power supply
MST210	Motor lock control

Diagram labels:
GCFP401
GCDU 100
NET 220
Mains 230 VAC
GCDU 100
GCRR200/ GCVR200/ GCVR00T

Message 5) Sabotage
Message Door 5) open
Burglar alarm system 2) — EMA
Message Door 5) unlocked
Fire alarm system 1) — BMA
Alarm message 5)
Timer 2)
Access control inter-com 3)
Flash-light 4)
Signal horn 4)
Key switch with display — RP 220
GEZE Bus
Key switch

Mains 230 VAC 50 Hz
USV 700/1000
NET **

Door control unit TZ320, UP
Emergency exit route sign non-illuminated
MST210

GEZE IQ Lock EL Motor lock
GEZE FTÖ331U + FS 807-10
TS5000
GEZE FTÖ332 + FS 807-10
RP220
Holding magnet GEZE MA500
Door contact
KÜ

TZ 320 UP Standard
IQ Lock EM, external power supply

Mains
230 VAC
50 Hz

USV
700/1000

NET **)

V

Mains
230 VAC

NET
220

GCDU
100

GCDU
100

GCFP401

GCRR200/
GCVR200/
GCVR200T

Message 5)
Sabotage

Message
Door 5)
open

Message
Door 5)
unlocked

Alarm
message 5)

Flashlight
4)

Signal
horn 4)

GEZE Bus

Burglar
alarm
system 2)

EMA

Fire alarm
system 1)

BMA

Timer 2)

Access
control
inter-
com 3)

RP 220

Key switch
with display

Key switch

Door control unit
TZ 320 S, UP

GEZE IQ Lock EM
Lever lock

GEZE FTÖ331U
+ FS 807-10

GEZE FTÖ332
+ FS 807-10

TS5000

Holding magnet
GEZE MA500

Door contact

RP220

KÜ

*) 3 inputs and 2 outputs available
For the IQ Lock at least 1 output is required.
2 inputs and 2 outputs can be
occupied per function by the IQ Lock.
Only use power supply approved by GEZE.
NT19.2-24, No. 089862, NET 24-5, No. 111182,
or power supply 1.3 A, No. 078401. Housing on-site.

**) Installation instructions for door control unit:
Please also heed installation instructions TZ320 or 131537
and sk089-281.

Installation height of the emergency push button: max. 1200 mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 2 standard flush-mounted boxes 62.5 mm deep
24 V supply cable in lower box
Supply cables for peripherals in lower box
Cable routing in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833.
Only connect components approved by the manufacturer.

1) Potential-free contact, opener or closer
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Heed max. power consumption
5) Potential-free contact (30 V / 1 A) from the TZ

① NYM-J3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8
⑦ Empty pipe inner diameter 10 mm
Ⓧ Connection cable 10 m, scope of supply GEZE IQ LOCK EM

FTÖ331U	Emergency exit opener
FS807-10	Latch lock
RP220	Relay board
GCDU100	Door unit
GCFP	Fingerprint
GCRR/VR	Card reader
NET	Power supply
V	Distributor on-site

GEZE

TZ320SN Komfort with IQ Lock EL

*) There are 4 inputs and 6 outputs on the KL220. If the 3 inputs and/or 2 outputs of the TZ320 are required in addition, more wires must be planned accordingly between KL220 and TZ320. 2 inputs and 2 outputs can be occupied by the IQ Lock depending on the function.
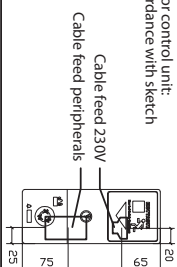
Installation instructions for door control unit:
Please also heed installation instructions TZ320 or 131537 and sk089-281.

Installation height of the emergency push button: max. 1200 mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Mains supply cable in upper box
Supply cables for peripherals in lower box

AP door control unit:
Cable routing according to sketch

Cable feed 230 V
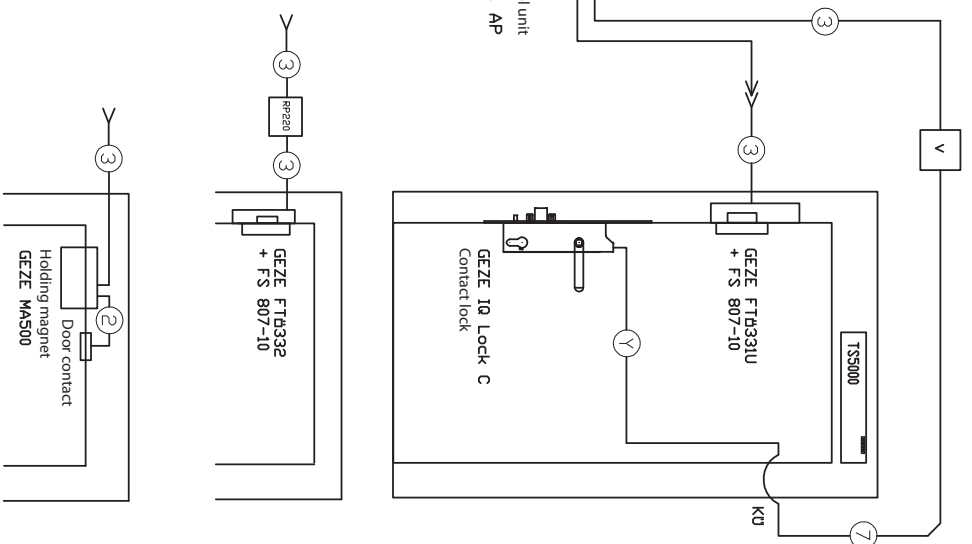Cable feed peripherals

25   75   65   20

Cable routing in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833.
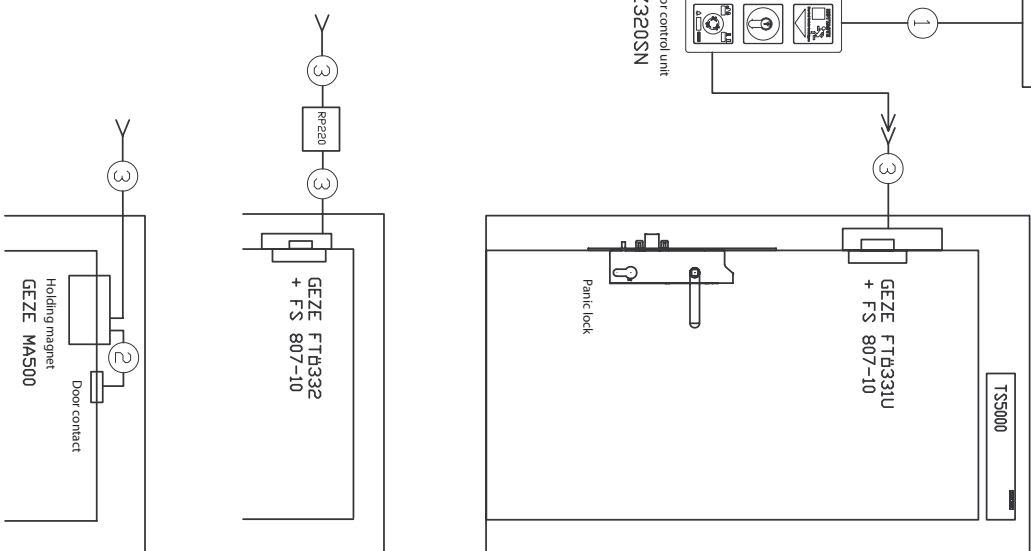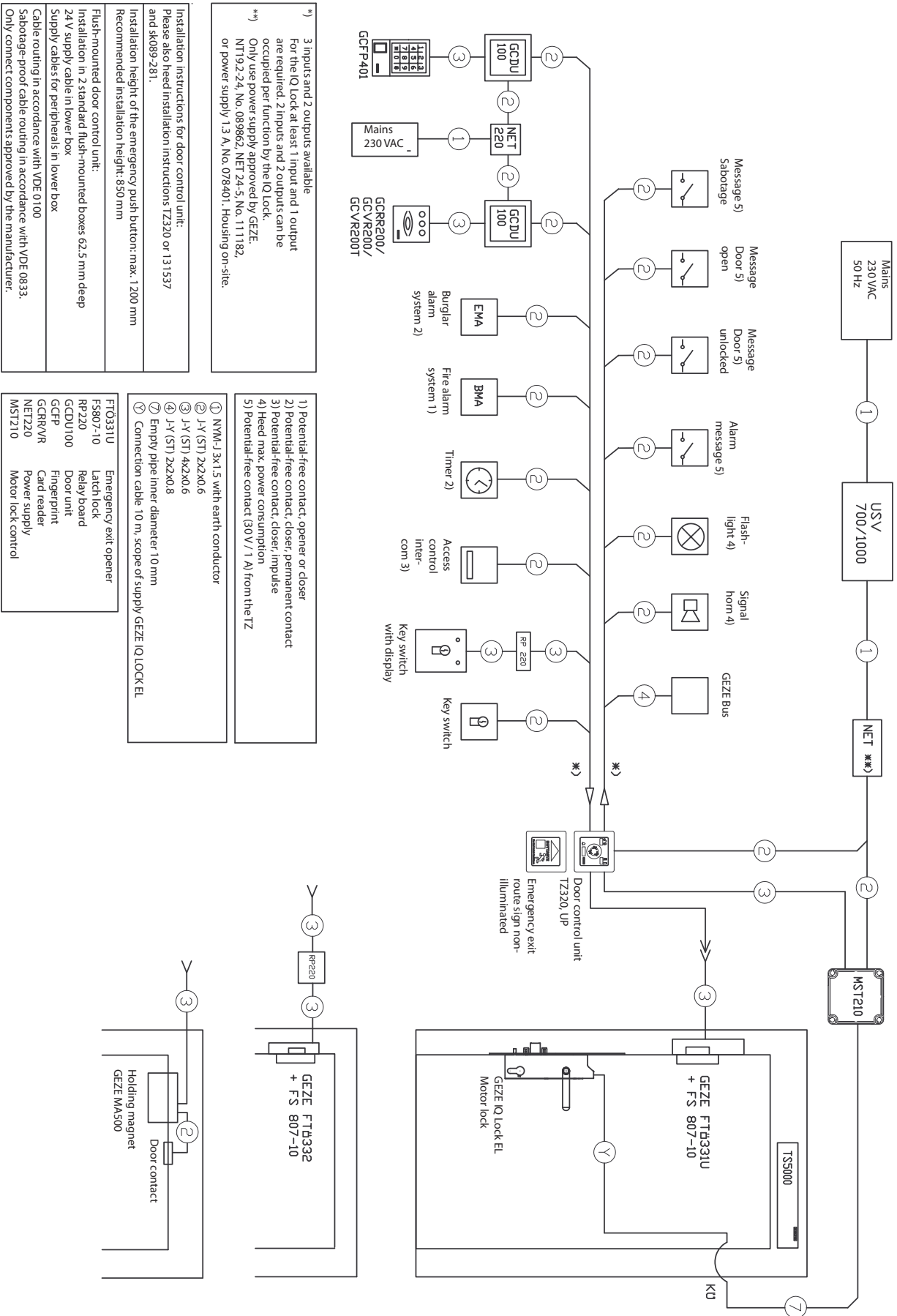Only connect components approved by the manufacturer.

1) Potential-free contact, opener or closer
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Heed max. power consumption for the KL220
5) Potential-free contact (30 V / 1 A) from the TZ

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8
⑦ Empty pipe inner diameter 10 mm
Ⓨ Connection cable 10 m, scope of supply GEZE IQ LOCK EM

FTÖ331U	Emergency exit opener
FS807-10	Latch lock
KL220	Terminal box
GCDU100	Door unit
GCFP	Fingerprint
GCRR/VR	Card reader
NET220	Power supply
MST210	Motor lock control

GCFP401

GCDU 100

NET 220

Mains 230 VAC

GCRR200/ GCVR200/ GCVR200T

GCDU 100

Lock or unlock 3)

EMA — Burglar alarm system 2)

BMA — Fire alarm system 1)

Timer 2)

Access control inter-com 3)

Key switch with display

RP 220

Key switch

Message 5) Sabotage

Message Door 5) open

Message Door 5) unlocked

Alarm message 5)

Flash-light 4)

Signal horn 4)

GEZE Bus

KL220

USV 700/1000

Mains 230 VAC 50 Hz

MST210

Door control unit TZ320S

GEZE IQ Lock EL + FS 807–10

GEZE FTÖ331U

TS5000

GEZE IQ Lock EL Motor lock

Holding magnet GEZE MA500

Door contact

KU

TZ 320 SN Standard
TSA160 NT_Slimdrive EMD, 1-leaf "F"

Mains
230 VAC
50 Hz

USV
700/1000

NET
220

GCDU
100

GCFP401

GCRR200/
GCVR200/
GCVR200T

or

Timer 2)

Special
element

Burglar
alarm
system 2)

Access
control
inter-
com 3)

Fire alarm
system 1)

GEZE Bus

Key switch

Door control unit
TZ 320 S

RSK

ATÜ

Panic lock

Sensor strips

FTÖ331U + FS

TSA160NT F
Slimdrive EMD F

TÜK

RSZ

RS

RS

Display
or button
programme
switch

Movement
detector
inside

Movement
detector
outside

Contact
sensor
inside

Contact
sensor
outside

Close door

Cut-out
button

Emer-
gency off
button
optional

Main
switch

Installation height of the emergency push button: max. 1200 mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Mains supply cable in upper box
Supply cables for peripherals in lower box

AP door control unit:
Cable routing according to sketch

Cable feed 230 V
Cable feed peripherals

Cable routing in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833.
Only connect components approved by the manufacturer.

25   75   65   20

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8
⑤ Empty pipe inner diameter 10 mm

FTÖ331U   Emergency exit opener
FS   Latch lock
MST210   Motor lock control
GCDU100   Door unit
GCFP   Fingerprint
GCRR/VR   Card reader
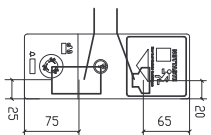NET220   Power supply
MST210   Motor lock control
RSZ   Smoke switch control unit
RS   Smoke switch
ATÖ   Working current door opener (fire protection)
TÜK   Door transition cable (GEZE scope of supply)
KÜ   Cable transition

Note for swing door drive:
- Also heed the installation instructions from the product-specific documents.
  Planning documents: TSA 160 NT (ID no. 121988), Slimdrive EMD (ID no. 110450)
- Allow the cable to project at least 1 m out of the wall.

Note for securing emergency exit route:
- Please also heed installation instructions TZ 320 (ID no. 131537 and sK089-281)
*) 3 inputs and 2 outputs available

1) Potential-free contact, opener or closer
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse

GEZE

TZ 320 SN Standard
TSA 160 NT Slimdrive EMD, 2-leaf

Mains 230 VAC 50 Hz

USV 700/1000

Timer 2)
Burglar alarm system 2)
Fire alarm system 1)
GEZE Bus
Special element
Access control inter-com 3)
Key switch

Door control unit TZ 320 SN

GCDU100
GCFP401
GCRR200/ GCVR200/ GCVR200T

Fixed leaf
Active leaf
Sensor strips
Panic lock

TSA160NT F Slimdrive EMD F-IS
FTÖ331U + FS
ATÖ
RSK

Display or button programme switch
Movement detector inside
Movement detector outside
Contact sensor inside
Contact sensor outside
Cut-out button
Emergency off button optional
Main switch
Close door

RSZ, RS

TÜK, KÜ

Installation height of the emergency push button: max. 1200 mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Power supply cable in upper box
Supply cables for peripherals in lower box

Surface-mounted door control unit:
Cable routing in accordance with sketch

Cable feed peripherals
Cable feed 230 V

25 75 65 20

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Only connect components approved by the manufacturer.

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① NYM-J (ST) 3 x 1.5 with earth conductor
② J-Y(ST)Y 2x2x0.6
③ J-Y(ST)Y 4x2x0.6
④ J-Y(ST)Y 2x2x0.8
⑤ Li-Y (ST) Y 2x2x0.6
⑦ Empty pipe inner diameter 10 mm

FTÖ331U	Emergency exit opener
FS	Latch lock
RSK	Bolt switch contact
GCDU100	Door unit
GCFP	Fingerprint
GCRR / GCVR	Card reader
NET 220	Power supply
MST210	Motor lock control
RSZ	Smoke switch control unit
RS	Smoke switch
ATÖ	Working current door opener (fire protection)
TÜK	Door transition cable (GEZE scope of supply)
KÜ	Cable transition

1) Potential-free contact, opener or closer
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse

Note for securing emergency exit route:
- Please also heed installation instructions TZ 320 (ID no. 131537 and sk089-281)
*) 3 inputs and 2 outputs available
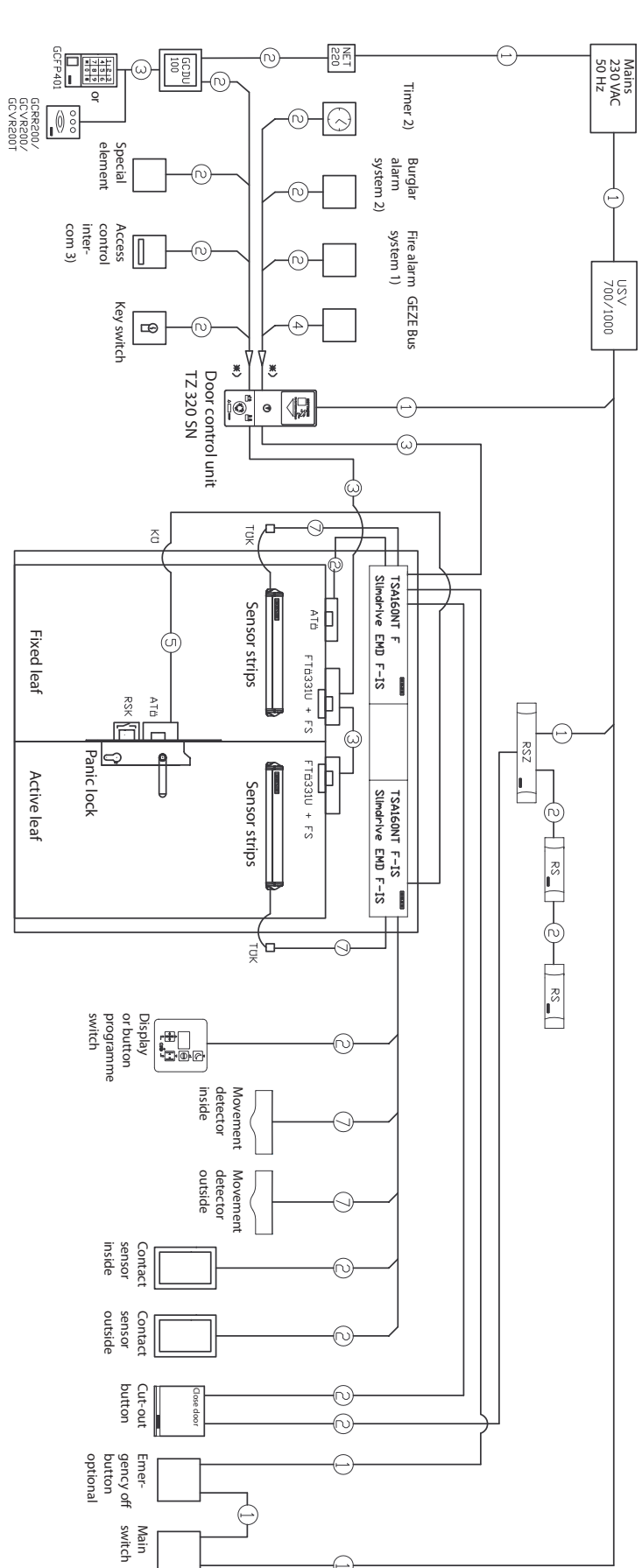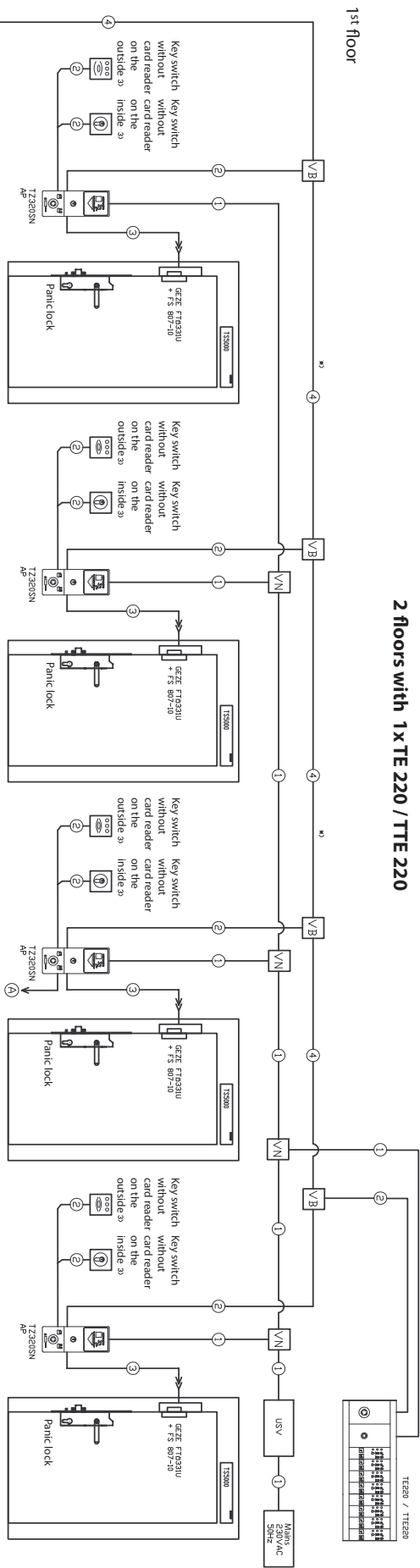
Note for swing door drive:
- Also heed the installation instructions from the product-specific documents.
Planning documents: TSA 160 NT (ID no. 121988), Slimdrive EMD (ID no. 110450)
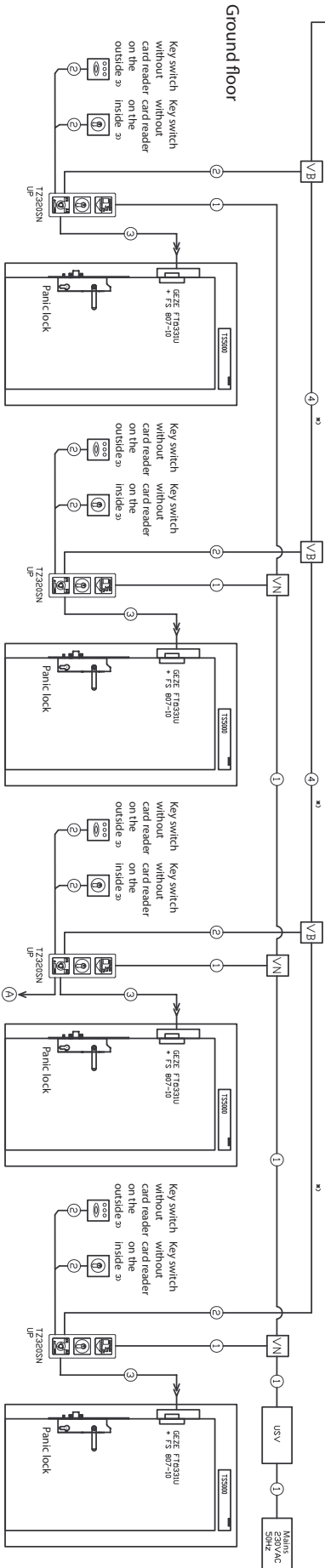- Allow the cable to project at least 1 m out of the wall.

2 floors with 1x TE 220 / TTE 220

1st floor

Ground floor

Installation instructions for the door control unit:
Please also heed installation instructions TZ300 no. 137351
and sk089-281.

Installation height of the emergency push button: 1200mm
Recommended installation height 850 mm
Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Mains supply cable from behind into the upper box
Supply cables for peripherals from behind into the lower box

Installation instructions for control panel:
Please also heed installation instructions in the user manual
Control Panel no. 10786.
2 standard flush-mounted boxes 62.5 mm deep are required
behind the control panel for installation.

The control panels TE220/TTE220 can be positioned
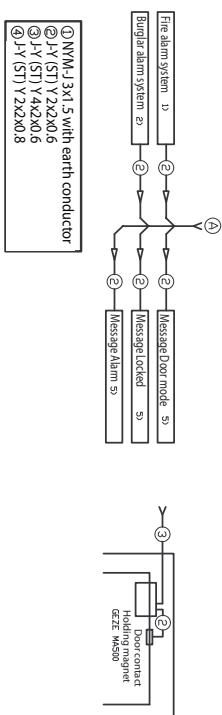anywhere in the bus line.

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Only connect components approved by the manufacturer

FT6331U   Emergency exit opener
FS807-10   Latch lock
USV   Emergency power supply
TE220   Control panel
TT220   Table-top control panel
VB   Bus distributor on-site
VN   Mains distributor on-site
TS5000   Door closer

1) Potential-free contact, opener
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Voltage supply via door control unit possible.
   Note maximum power consumption
5) Potential-free contact (30V/1A) from the TZ

*) Overall length of BUS (over all control panels and door control units) max. 900m.

Ⓐ The fire alarm system and burglar alarm system can be connected to one TZ320 and relayed via the GEZE bus to all other TZ320s.
5 fire alarm or EMA lines can be realised. Only 1 line can be connected to one TZ320.
All messages can also be connected separately to the respective door control units.
The messages 'Alarm', 'Locked' and 'Door mode' can be outputted as a collective message from one TZ320.

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8

Fire alarm system 1)
Burglar alarm system 2)
Message Alarm 5)
Message Locked 5)
Message Door mode 5)

Key switch without card reader on the outside 3)
Key switch without card reader on the inside 3)
Panic lock

GEZE FT6331U + FS 807-10

TS5000
TZ320SN UP
TZ320SN AP

VB   VN

Mains 230 VAC 50Hz

Door contact
Holding magnet GEZE M4500

TE220 / TTE220

GEZE

2 floors with 1x VAT 220 SN + TCP/IP

1st floor

Ground floor

On-site TCP/IP network
to further PCs

On-site TCP/IP network

VAT220SN
(Client)

VAT220SN

USB dongle
GEZE_BUS

USB port

Holding magnet
GEZE N4500

Door contact

Fire alarm system ₁)

Burglar alarm system ₂)

Message Alarm ₅)

Message Locked ₅)

Message Door mode ₅)

Mains
230 VAC
50 Hz

Key switch without card reader on the outside ₃)
Key switch without card reader on the inside ₃)

Panic lock

TS5000

GEZE FT933U + FS 807-10

TZ320SN AP

TZ320SN UP

USV

VB
VN

Installation instructions for the door control unit:
Please also heed installation instructions TZ300 no. 137351 and sk089-281.

Installation height of the emergency push button: 1200 mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Mains supply cable from behind into the upper box
Supply cables for peripherals from behind into the lower box

Installation instructions for visualisation software VAT220SN:
Please also heed installation instructions from user manual VAT220SN no. 098316, as well as the installation drawing no. 35204-9-0955.

The VAT220SN can be positioned anywhere in the bus line.

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Only connect components approved by the manufacturer

FT6331U　　Emergency exit opener
FS807-10　　Latch lock
USV　　　　Emergency power supply
VAT220SN　Visualisation software (PC on-site)
VB　　　　Bus distributor on-site installed near the door
VN　　　　Mains distributor on-site
TS5000　　Door closer

1) Potential-free contact, opener
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Voltage supply via door control unit possible.
Note maximum power consumption
5) Potential-free contact (30V/1A) from the TZ

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8

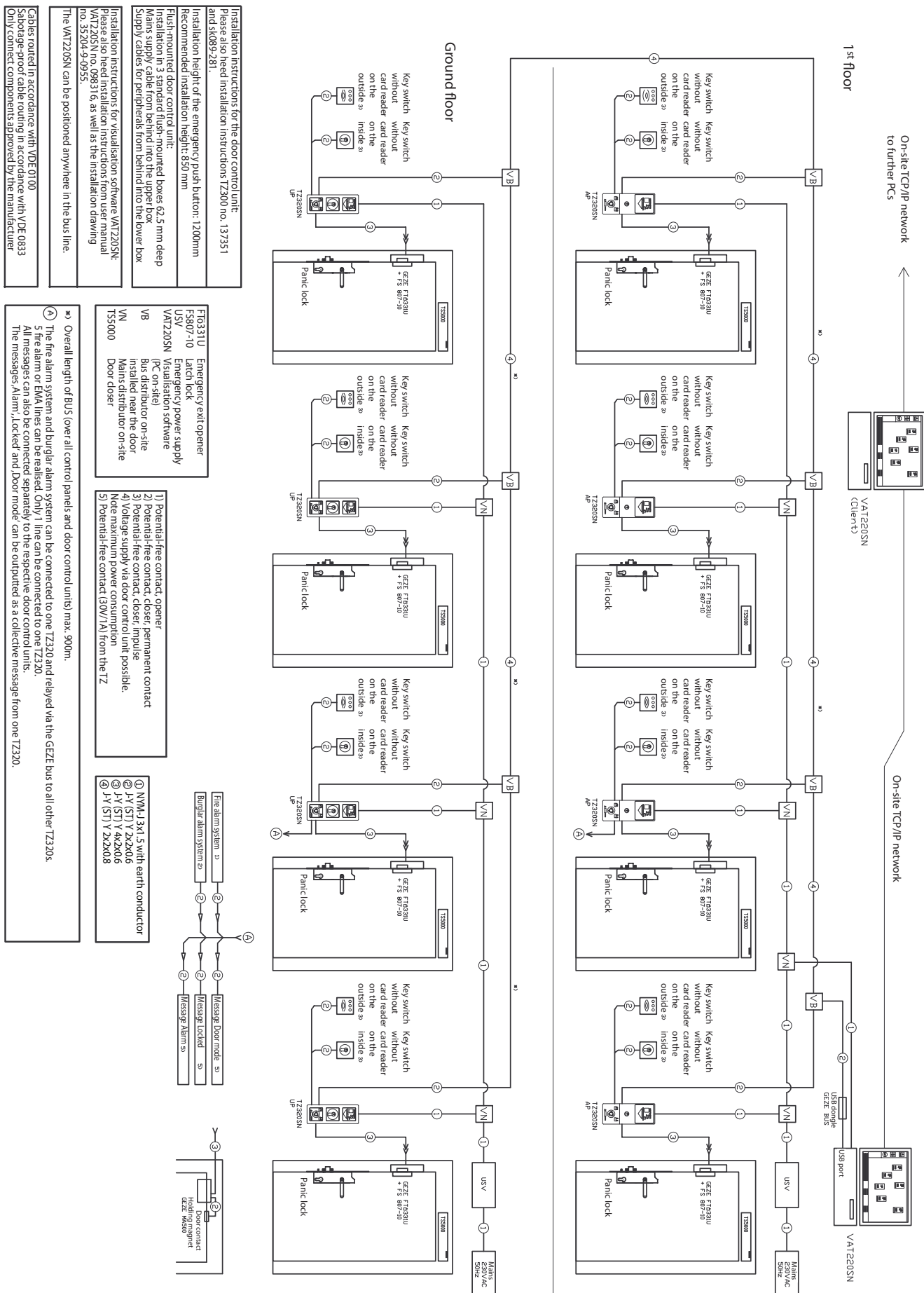✳) Overall length of BUS (overall control panels and door control units) max. 900m.

Ⓐ The fire alarm system and burglar alarm system can be connected to one TZ320 and relayed via the GEZE bus to all other TZ320s. 5 fire alarm or EMA lines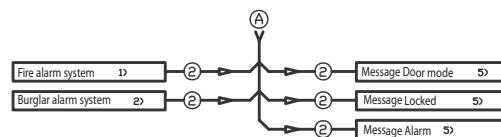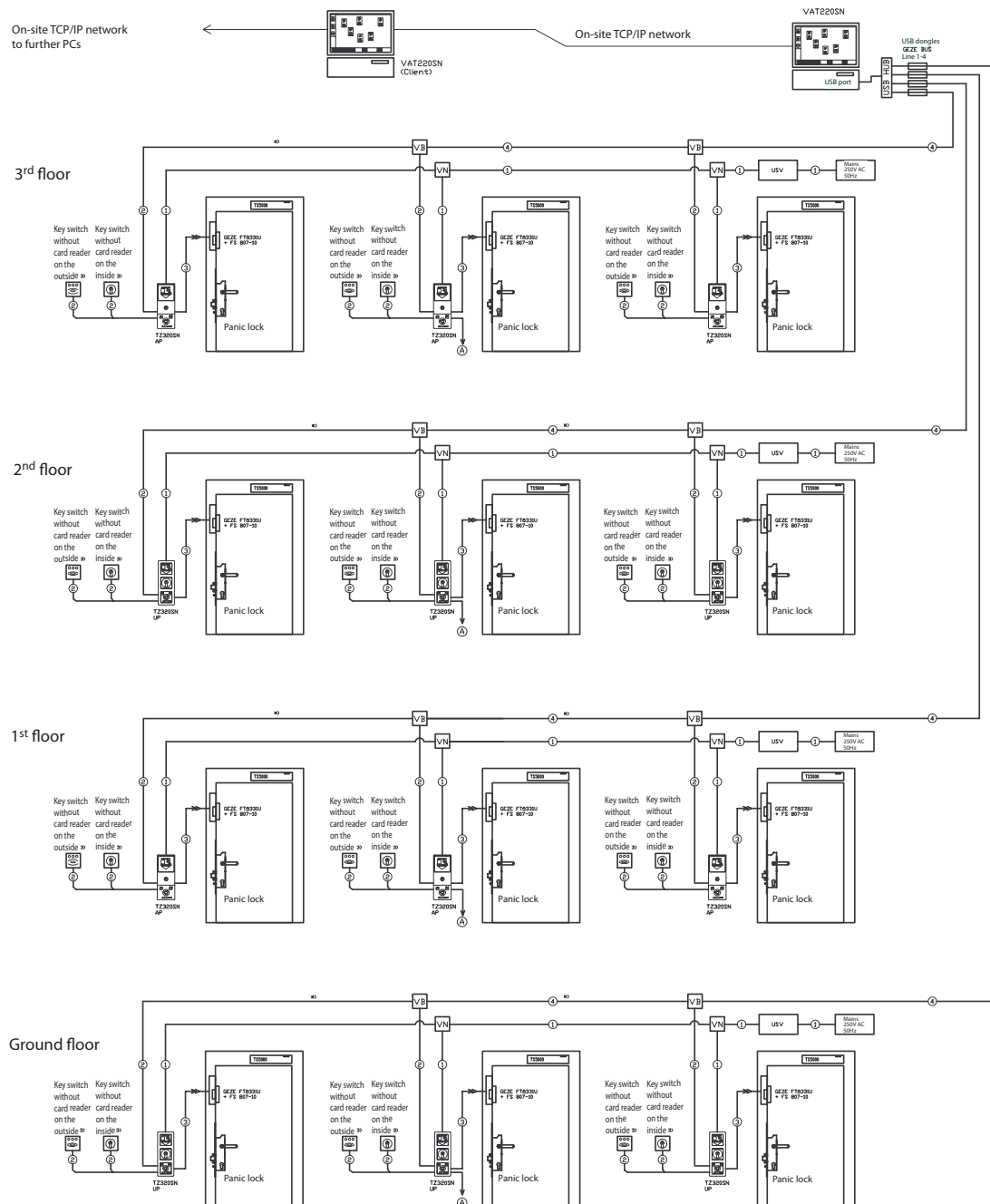 can be realised. Only 1 line can be connected to one TZ320. All messages can also be connected separately to the respective door control units.
The messages 'Alarm', 'Locked' and 'Door mode' can be outputted as a collective message from one TZ320.

4 floors with 1x VAT 220 SN + TCP/IP

Installation instructions for the door control unit:
Please also heed installation instructions TZ300 no. 137351 and sk089-281.

Installation height of the emergency push button: 1200mm
Recommended installation height: 850 mm

Flush-mounted door control unit:
Installation in 3 standard flush-mounted boxes 62.5 mm deep
Mains supply cable from behind into the upper box
Supply cables for peripherals from behind into the lower box

Installation instructions for visualisation software VAT220SN:
Please also heed installation instructions from user manual VAT220SN no. 098316, as well as the installation drawing no. 35204-9-0955.

The VAT220SN can be positioned anywhere in the bus line.

Cables routed in accordance with VDE 0100
Sabotage-proof cable routing in accordance with VDE 0833
Only connect components approved by the manufacturer

FTö331U	Emergency exit opener
FS807-10	Latch lock
USV	Emergency power supply
VAT220SN	Visualisation software (PC on-site)
VB	Bus distributor on-site installed near the door
VN	Mains distributor on-site
TS5000	Door closer

1) Potential-free contact, opener
2) Potential-free contact, closer, permanent contact
3) Potential-free contact, closer, impulse
4) Voltage supply via door control unit possible.
Note maximum power consumption.
5) Potential-free contact (30V/1A) from the TZ

① NYM-J 3x1.5 with earth conductor
② J-Y (ST) Y 2x2x0.6
③ J-Y (ST) Y 4x2x0.6
④ J-Y (ST) Y 2x2x0.8

Fire alarm system 1)
Burglar alarm system 2)

Message Door mode 5)
Message Locked 5)
Message Alarm 5)

Door contact
Holding magnet
GEZE MA500

Overall length of BUS (over all control panels and door control units) max. 900m.

Ⓐ The fire alarm system and burglar alarm system can be connected to one TZ320 and relayed via the GEZE bus to all other TZ320s.
5 fire alarm or EMA lines can be realised. Only 1 line can be connected to one TZ320.
All messages can also be connected separately to the respective door control units.
The messages ‚Alarm‘, ‚Locked‘ and ‚Door mode‘ can be outputted as a collective message from one TZ320.

GEZE

Notes

ID no. 132410 · Vers. EN 110715 · Subject to alterations

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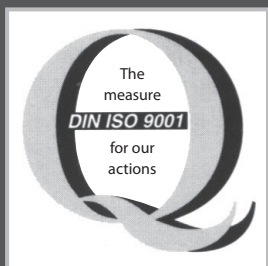Fax +27 (0) 1131 58 261
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The
measure
DIN ISO 9001
for our
actions

GEZE representative